Comune di Genova

Localizzazione:

Complesso Sportivo Morgavi - Belvedere Sampierdarena
Salita Millelire 4 - 16151 Genova (GE)

Intervento:

Opere di Adeguamento del complesso sportivo, Consolidamento Strutturale del campo a 11 e Rigenerazione del manto in erba artificiale

Proprietà:

COMUNE di GENOVA
Via Garibaldi, 9 - 16124 Genova (GE)

Committente:

COMUNE di GENOVA
Via Garibaldi, 9 - 16124 Genova (GE)

Fase:

PROGETTO ESECUTIVO

Oggetto della tavola:	Data:	N° tavola:
VASCA IDRICA RELAZIONE DI CALCOLO	28/10/2020 Scala:	EI.21

Progettista:

Paolo MARCHESI
ARCHITETTO

Via di Casanova civ. 30, Cremeno (GE)
cell. 320/37.23.496
paolo.marchesi75@gmail.com

Ing. Massimo GALLI — Op. Strutturali
Ing. Daniele ROSSELLI — Op. Meccaniche
Ing. Micaela CASERZA MAGRO — Op. Elettriche
Ing. Alessandro CAVALLI — Op. Antincendio
Ing. Simona SERAVALLI — Op. Acustiche
Geol. Alessandra FANTINI — Op. Geologiche
Geol. Michela RACCOSTA — Op. Geologiche
Geom. Carlo IACONO — Op. Topografiche

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

PREMESSA

Oggetto dell'intervento è la realizzazione di una cisterna interrata all'interno dell'area del Campo da Calcio Morgavi, sito in Genova, Salita Millelire, civ. 4.La vigente classificazione sismica della Regione Liguria, entrata in vigore il 19 luglio 2017 (D.G.R. 17/03/2017 N. 216) inserisce l'area in oggetto in Zona 3. Lo scatolare è da realizzarsi in calcestruzzo di classe C35/45 ed acciaio B450C; ha una volumetria pari a circa 25 mc ed è costituita da una soletta inferiore, n° 4 setti laterali ed una soletta superiore carrabile, tutti gli elementi sono di spessore pari a 25 cm. Per ogni dettaglio geometrico e d'armatura si rimanda agli elaborati grafici strutturali, parte integrante del presente documento ed alla relazione geologica redatta da GEOSOUND STUDIO TECNICO ASSOCIATO DI FANTINI & RACCOSTA in data agosto 2020.

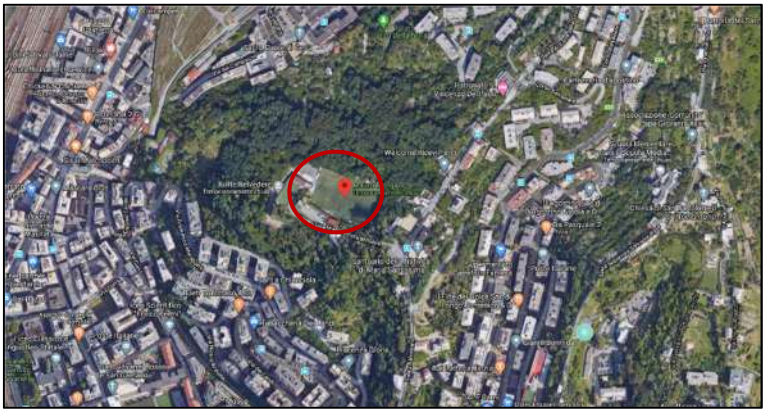


Figura1 - Ubicazione dell'intervento

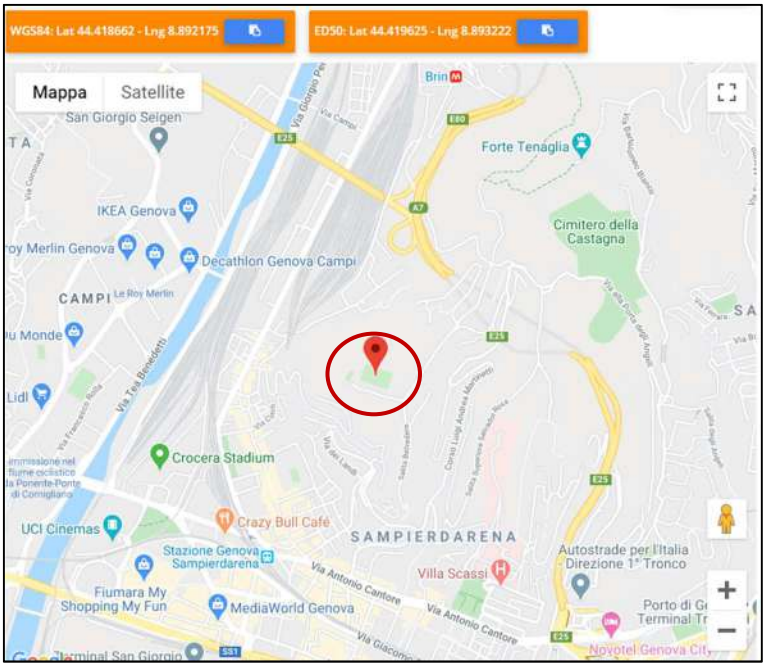


Figura2 - Coordinate WG84 - ED50

Descrizione generale dell'opera

Fabbricato ad uso	RISERVA IDRICA A SERVIZIO DEL CAMPO A 11
Ubicazione	Comune di GENOVA (GE) (Regione LIGURIA)
	Località GENOVA (GE)
	Longitudine 8.893, Latitudine 44.420
Tipo di struttura	SCATOLARE INTERRATO

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
I	50.0	0.7	35.0

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata considerando un comportamento non dissipativo (ND).

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo

Valore rapporto a_u/a_1 = 1.000

Valore base fattore q_0 = 3.000 a_u/a_1 = 3.000

Fattore pareti k_w = 1.000

Fattore di regolarità K_R = 1.0

Fattore dissipativo $q_D = q_0 \bullet k_w \bullet K_R$ = 3.000

Fattore non dissipativo $q_{ND} = 2/3 \bullet q_D$ = 1.500 (≤1.5)

Fattori di comportamento utilizzati

	Dissipativi	Non dissipativi
q SLU x	3.000	1.500
q SLU y	3.000	1.500
q SLU z	1.500	1.500

Quadro normativo di riferimento adottato

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018 e Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
Azione sismica	
Norma applicata per l' azione sismica	D.M. 17-01-2018 e Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"

Informazione sul codice di calcolo

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-05-189)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi4913

Un attento esame preliminare della documentazione a corredo del software ***ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico***. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: https://www.2si.it/it/prodotti/affidabilita/

Azioni di progetto sulla costruzione

L'analisi strutturale è stata effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

K * u = F dove **K** = matrice di rigidezza

u = vettore spostamenti nodali

F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.Il sistema di riferimento utilizzato

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo MEMBRANE (membrana-D3)
Elemento tipo PLATE (piastra-guscio-D3)

Modello numerico, tipo di analisi strutturale e combinazione dei casi di carico

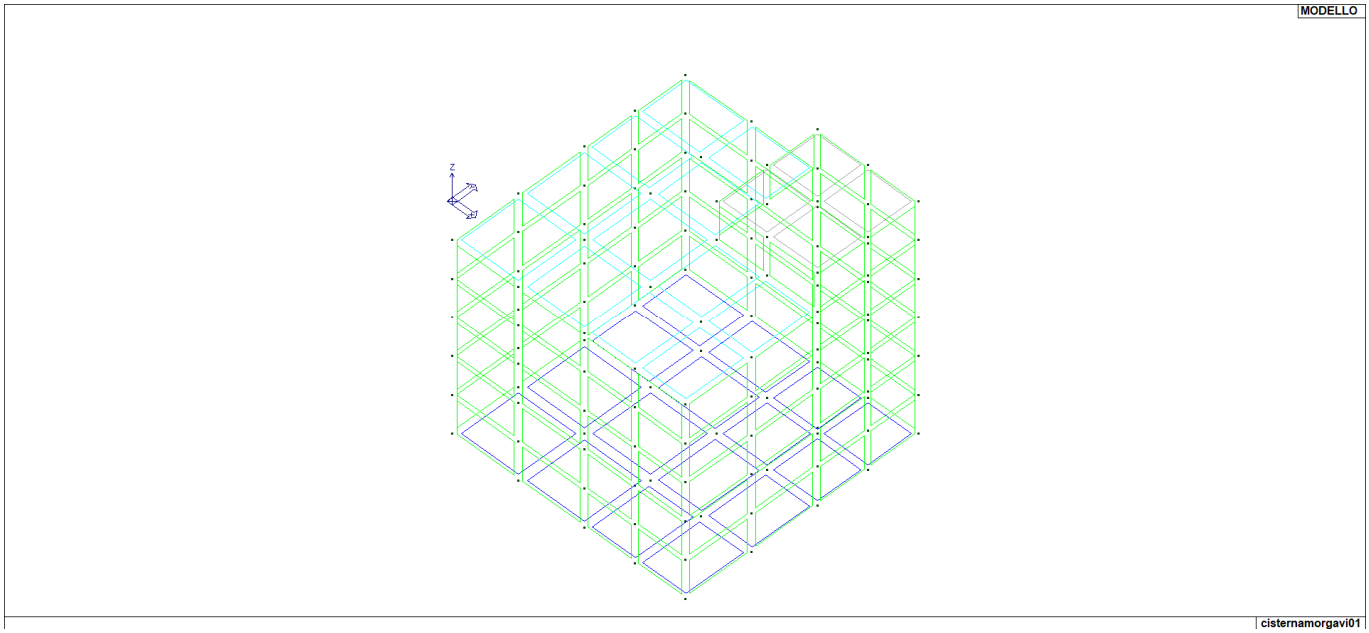
Tipo di analisi strutturale	
Carichi verticali	SI
Sismica statica lineare	SI
Sismica dinamica lineare	NO
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO

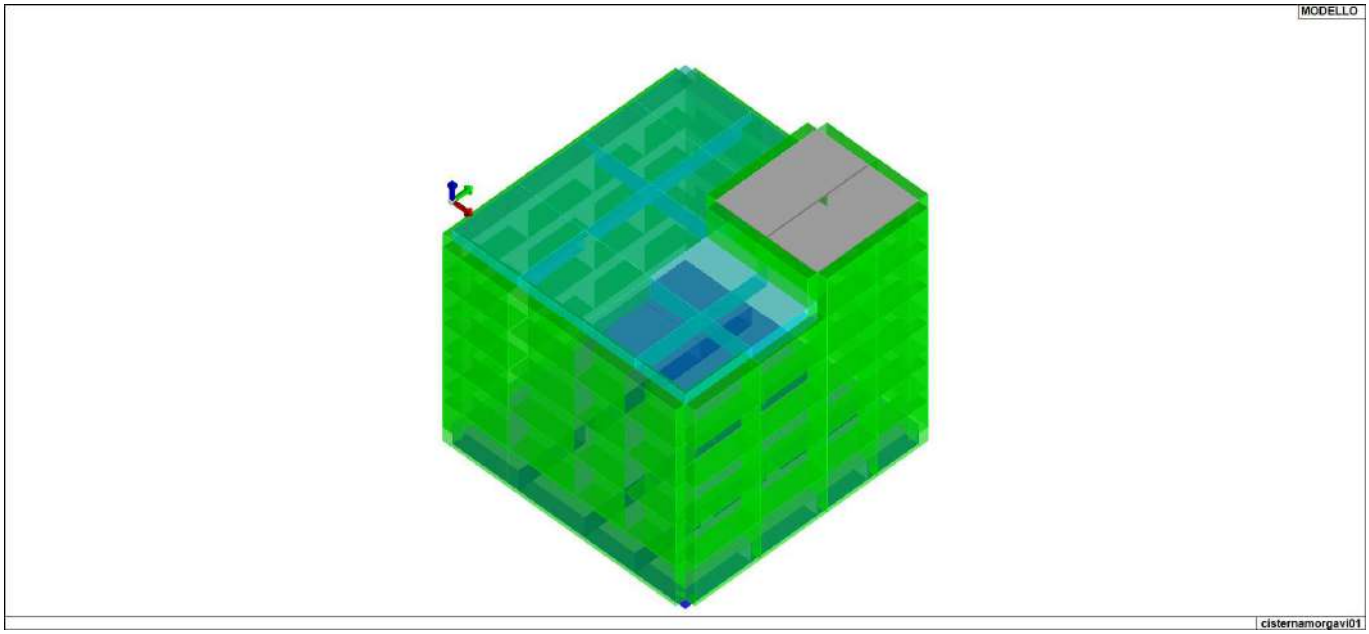
Modellazione della geometria e proprietà meccaniche:	
nodi	122
elementi D2 (per aste, travi, pilastri…)	0
elementi D3 (per pareti, platee, gusci…)	120
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	300.00
Ymin =	0.00
Ymax =	300.00
Zmin =	-300.00
Zmax =	0.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	NO
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO





CARATTERISTICHE MATERIALI UTILIZZATI

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ni
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficinete di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

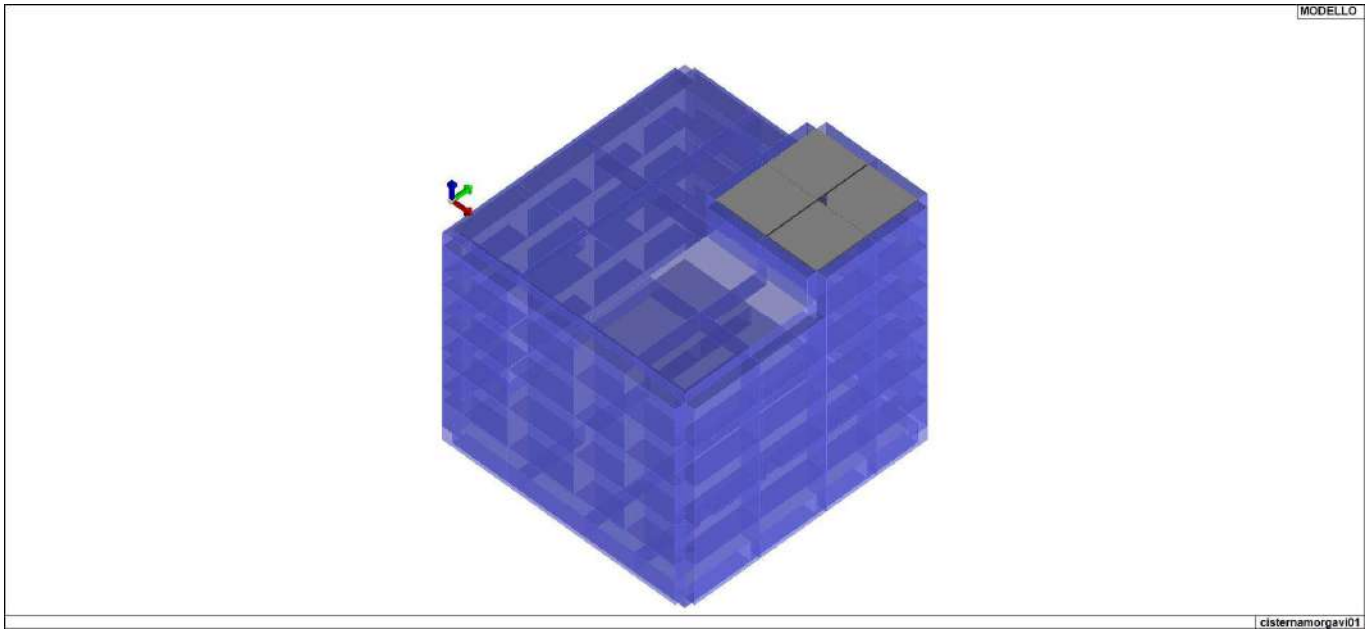
I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1 c.a.

Resistenza Rc	resistenza a cmpressione cubica
Resistenza fctm	resistenza media a trazione semplice
Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
6	***Calcestruzzo Classe C35/45***			3.460e+05	0.20	1.442e+05	2.50e-03	1.00e-05	
	Resistenza Rc	450.0							
	Resistenza fctm		33.5						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
11	***Acciaio Fe360 - S235-acciaio Fe360-S235 (utilizzato per il carico del chiusino in ghisa)***			2.100e+06	0.30	8.077e+05	7.85e-03	1.20e-05	
	Tensione ft	3600.0							
	Resistenza fd	2350.0							
	Resistenza fd (>40)	2100.0							
	Tensione ammissibile	1600.0							
	Tensione ammissibile (>40)	1400.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



Pareti c.a.	1/7/..	2/8/..	3/9/..
Generalità			
Progetto armatura	Singolo elemento FONDAZIONE	Singolo elemento FONDAZIONE	Singolo elemento FONDAZIONE
Armatura			
Inclinazione Av [gradi]	90.00	90.00	90.00
Angolo Av-Ao [gradi]	90.00	90.00	90.00

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Pareti c.a.	**1/7/..**	**2/8/..**	**3/9/..**
Minima tesa	0.20	0.20	0.20
Massima tesa	4.00	4.00	4.00
Maglia unica centrale	NO	NO	NO
Unico strato verticale	NO	NO	NO
Unico strato orizzontale	NO	NO	NO
Copriferro [cm]	2.50	2.50	2.50
Maglia V			
diametro	14	14	14
passo	20	20	20
diametro aggiuntivi	12	12	12
Maglia O			
diametro	14	14	14
passo	20	20	20
diametro aggiuntivi	12	12	12
Stati limite ultimi			
Tensione fy [daN/cm2]	***4500.00***	***4500.00***	***4500.00***
Tipo acciaio	***tipo C***	***tipo C***	***tipo C***
Coefficiente gamma s	1.15	1.15	1.15
Coefficiente gamma c	1.50	1.50	1.50
Verifiche con N costante	SI	SI	SI
Parete estesa debolmente armata			
Fattore amplificazione taglio V	0.0	1.50	1.50
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0	0.0
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0	0.0
Diagramma inviluppo taglio	NO	NO	NO
Vincolo lati	nessun lato	nessun lato	nessun lato
Verifica come fascia	NO	NO	NO
Diametro di estremità	0	0	0
Zona confinata			
Minima tesa	1.00	1.00	1.00
Massima tesa	4.00	4.00	4.00
Distanza barre [cm]	2.00	2.00	2.00
Interferro	2	2	2
Armatura inclinata			
Area barre [cm2]	0.0	0.0	0.0
Angolo orizzontale [gradi]	0.0	0.0	0.0
Distanza di base [cm]	0.0	0.0	0.0
Resistenza al fuoco			
3- intradosso	NO	NO	NO
3+ estradosso	NO	NO	NO
Tempo di esposizione R	15	15	15

Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**
Armatura			
Inclinazione Ax [gradi]	0.0	0.0	0.0
Angolo Ax-Ay [gradi]	90.00	90.00	90.00
Minima tesa	0.31	0.10	0.13
Massima tesa	0.78	0.78	4.00
Maglia unica centrale	NO	NO	NO
Copriferro [cm]	2.00	3.00	2.00
Maglia x			
diametro	10	12	14
passo	20	20	20
diametro aggiuntivi	12	12	14
Maglia y			
diametro	10	12	14
passo	20	20	20
diametro aggiuntivi	12	12	14
Stati limite ultimi			
Tensione fy [daN/cm2]	***4500.00***	***4500.00***	***4500.00***
Tipo acciaio	***tipo C***	***tipo C***	***tipo C***
Coefficiente gamma s	1.15	1.15	1.15
Coefficiente gamma c	1.50	1.50	1.50
Verifiche con N costante	SI	SI	SI
Applica SLU da DIN	NO	NO	NO
Tensioni ammissibili			
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00
Rapporto omogeneizzazione N	15.00	15.00	15.00
Massimo rapporto area compressa/tesa	1.00	1.00	1.00
Resistenza al fuoco			

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Gusci c.a.	1/7/..	2/8/..	3/9/..
3- intradosso	NO	NO	NO
3+ estradosso	NO	NO	NO
Tempo di esposizione R	15	15	15

MODELLAZIONE STRUTTURA: NODI

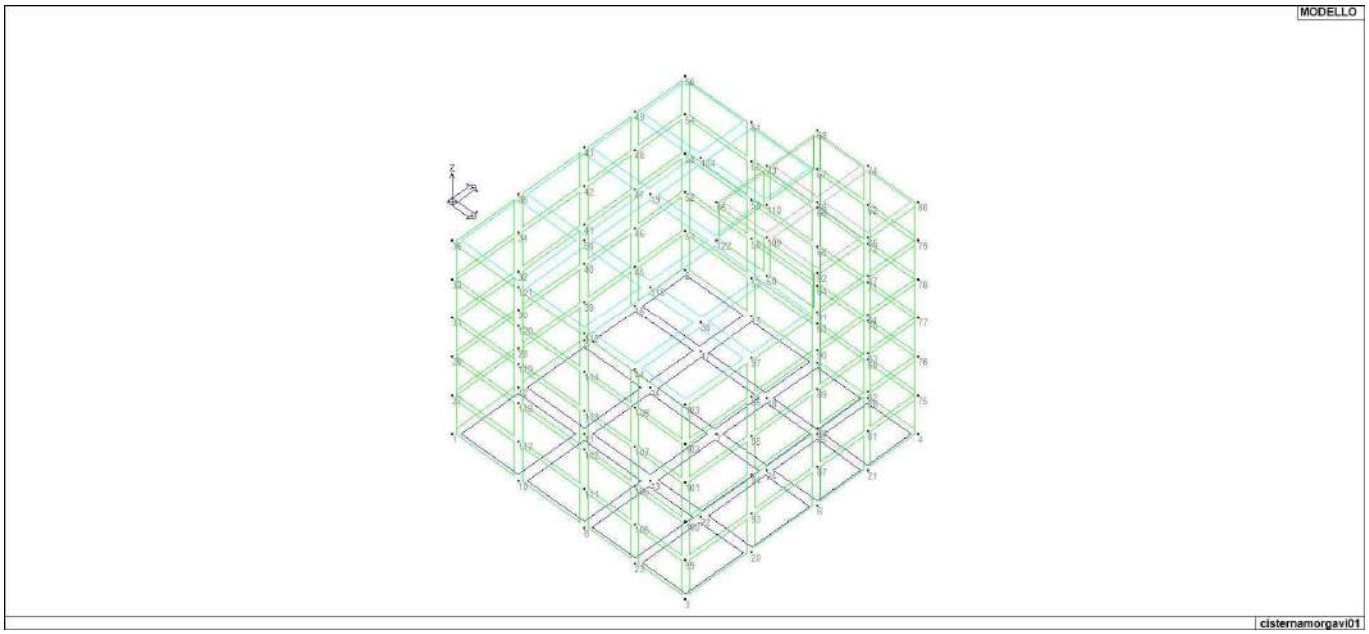
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,…) eventuale codice del tipo di fondazione speciale (1, 2,… fanno riferimento alle tipologie: plinto, palo, plinto su pali,…) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

TABELLA DATI NODI

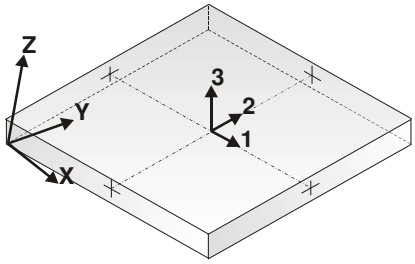
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	0.0	-300.0	2	0.0	300.0	-300.0	3	300.0	0.0	-300.0
4	300.0	300.0	-300.0	5	170.0	300.0	-300.0	6	300.0	170.0	-300.0
7	170.0	170.0	-300.0	8	170.0	0.0	-300.0	9	0.0	170.0	-300.0
10	85.0	0.0	-300.0	11	85.0	85.0	-300.0	12	0.0	85.0	-300.0
13	170.0	85.0	-300.0	14	85.0	170.0	-300.0	15	85.0	300.0	-300.0
16	0.0	235.0	-300.0	17	85.0	235.0	-300.0	18	170.0	235.0	-300.0
19	85.0	170.0	-50.0	20	300.0	85.0	-300.0	21	300.0	235.0	-300.0
22	235.0	85.0	-300.0	23	235.0	0.0	-300.0	24	235.0	170.0	-300.0
25	235.0	235.0	-300.0	26	235.0	300.0	-300.0	27	0.0	0.0	-250.0
28	0.0	85.0	-250.0	29	0.0	0.0	-200.0	30	0.0	85.0	-200.0
31	0.0	0.0	-150.0	32	0.0	85.0	-150.0	33	0.0	0.0	-100.0
34	0.0	85.0	-100.0	35	0.0	0.0	-50.0	36	0.0	85.0	-50.0
37	300.0	235.0	-50.0	38	235.0	85.0	-50.0	39	0.0	170.0	-250.0
40	0.0	170.0	-200.0	41	0.0	170.0	-150.0	42	0.0	170.0	-100.0
43	0.0	170.0	-50.0	44	235.0	0.0	-50.0	45	0.0	235.0	-250.0
46	0.0	235.0	-200.0	47	0.0	235.0	-150.0	48	0.0	235.0	-100.0
49	0.0	235.0	-50.0	50	235.0	170.0	-50.0	51	0.0	300.0	-250.0
52	0.0	300.0	-200.0	53	0.0	300.0	-150.0	54	0.0	300.0	-100.0
55	0.0	300.0	-50.0	56	235.0	235.0	0.0	57	85.0	300.0	-250.0
58	85.0	300.0	-200.0	59	85.0	300.0	-150.0	60	85.0	300.0	-100.0
61	85.0	300.0	-50.0	62	235.0	300.0	-50.0	63	170.0	300.0	-250.0
64	170.0	300.0	-200.0	65	170.0	300.0	-150.0	66	170.0	300.0	-100.0
67	170.0	300.0	-50.0	68	170.0	300.0	0.0	69	235.0	300.0	-250.0
70	235.0	300.0	-200.0	71	235.0	300.0	-150.0	72	235.0	300.0	-100.0
73	170.0	235.0	0.0	74	235.0	300.0	0.0	75	300.0	300.0	-250.0
76	300.0	300.0	-200.0	77	300.0	300.0	-150.0	78	300.0	300.0	-100.0
79	300.0	300.0	-50.0	80	300.0	300.0	0.0	81	300.0	235.0	-250.0
82	300.0	235.0	-200.0	83	300.0	235.0	-150.0	84	300.0	235.0	-100.0
85	170.0	170.0	0.0	86	300.0	235.0	0.0	87	300.0	170.0	-250.0
88	300.0	170.0	-200.0	89	300.0	170.0	-150.0	90	300.0	170.0	-100.0
91	300.0	170.0	-50.0	92	300.0	170.0	0.0	93	300.0	85.0	-250.0
94	300.0	85.0	-200.0	95	300.0	85.0	-150.0	96	300.0	85.0	-100.0
97	300.0	85.0	-50.0	98	85.0	85.0	-50.0	99	300.0	0.0	-250.0
100	300.0	0.0	-200.0	101	300.0	0.0	-150.0	102	300.0	0.0	-100.0
103	300.0	0.0	-50.0	104	85.0	235.0	-50.0	105	235.0	0.0	-250.0
106	235.0	0.0	-200.0	107	235.0	0.0	-150.0	108	235.0	0.0	-100.0
109	235.0	170.0	0.0	110	170.0	235.0	-50.0	111	170.0	0.0	-250.0
112	170.0	0.0	-200.0	113	170.0	0.0	-150.0	114	170.0	0.0	-100.0
115	170.0	0.0	-50.0	116	170.0	85.0	-50.0	117	85.0	0.0	-250.0
118	85.0	0.0	-200.0	119	85.0	0.0	-150.0	120	85.0	0.0	-100.0
121	85.0	0.0	-50.0	122	170.0	170.0	-50.0				

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

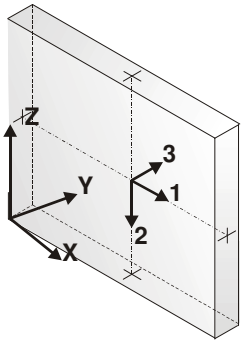


MODELLAZIONE STRUTTURA: ELEMENTI SHELL

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi). Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

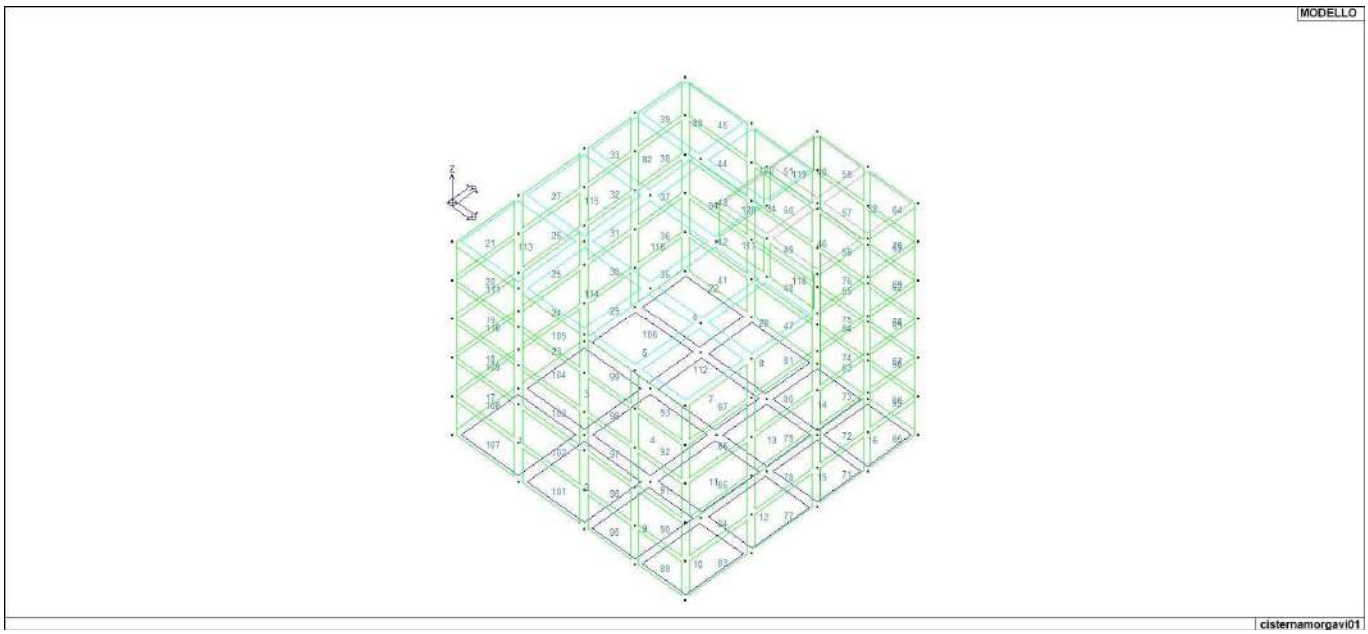
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Svincolo	Wink V	Wink O
							cm		daN/cm3	daN/cm3
1	Guscio fond.	1	10	11	12	6	25.0		7.26	3.74
2	Guscio fond.	10	8	13	11	6	25.0		3.53	1.82
3	Guscio fond.	12	11	14	9	6	25.0		5.00	2.57
4	Guscio fond.	11	13	7	14	6	25.0		2.49	1.28
5	Guscio fond.	9	14	17	16	6	25.0		6.38	3.28

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

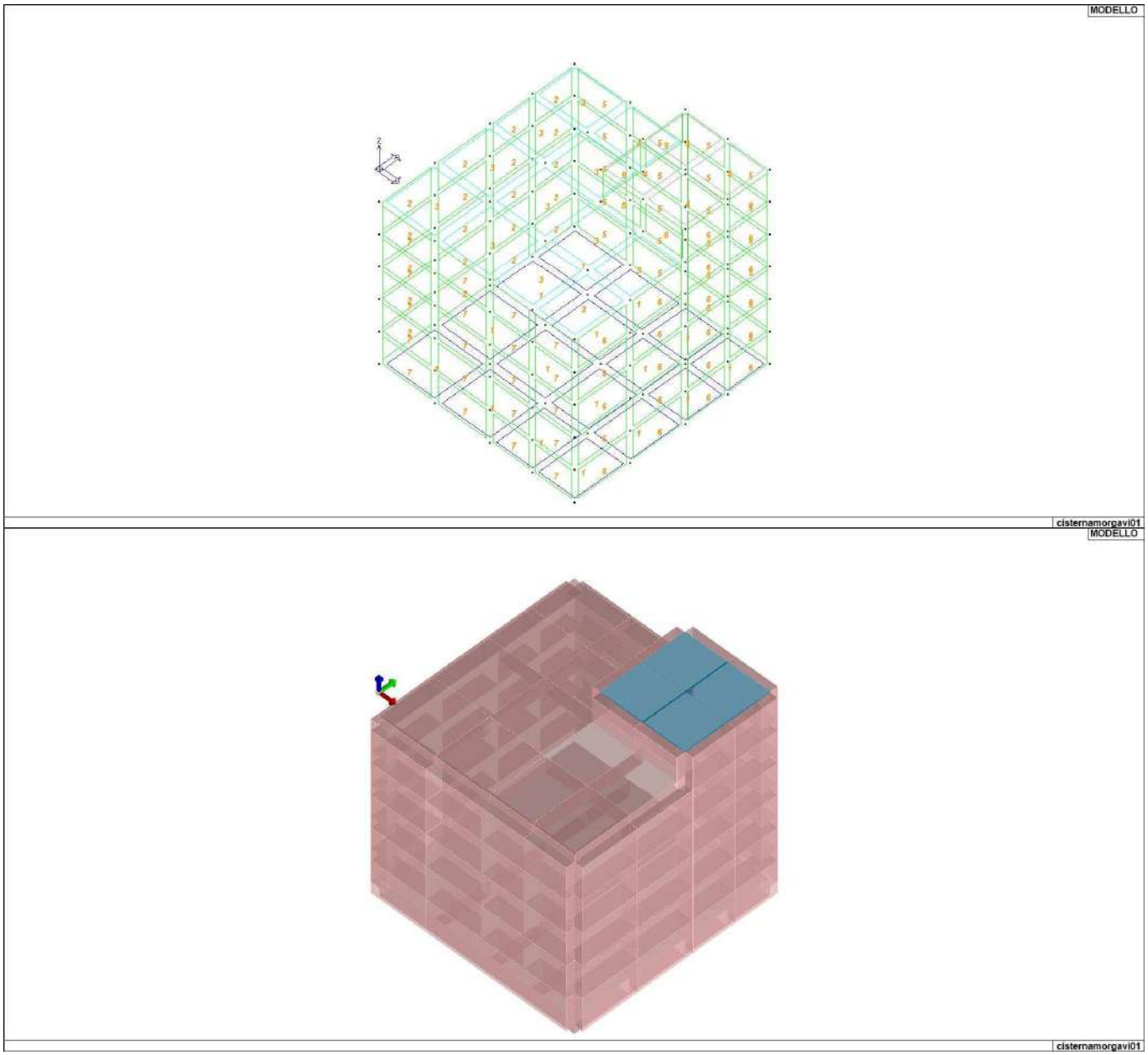
6	Guscio fond.	16	17	15	2	6	25.0	9.08	4.68
7	Guscio fond.	14	7	18	17	6	25.0	3.30	1.70
8	Guscio fond.	17	18	5	15	6	25.0	6.45	3.32
9	Guscio fond.	8	23	22	13	6	25.0	3.22	1.66
10	Guscio fond.	23	3	20	22	6	25.0	5.05	2.60
11	Guscio fond.	13	22	24	7	6	25.0	2.26	1.17
12	Guscio fond.	22	20	6	24	6	25.0	3.41	1.76
13	Guscio fond.	7	24	25	18	6	25.0	2.72	1.40
14	Guscio fond.	18	25	26	5	6	25.0	5.58	2.88
15	Guscio fond.	24	6	21	25	6	25.0	4.17	2.15
16	Guscio fond.	25	21	4	26	6	25.0	8.95	4.61
17	Setto	1	12	28	27	6	25.0		
18	Setto	27	28	30	29	6	25.0		
19	Setto	29	30	32	31	6	25.0		
20	Setto	31	32	34	33	6	25.0		
21	Setto	33	34	36	35	6	25.0		
22	Guscio	116	38	50	122	6	25.0		
23	Setto	12	9	39	28	6	25.0		
24	Setto	28	39	40	30	6	25.0		
25	Setto	30	40	41	32	6	25.0		
26	Setto	32	41	42	34	6	25.0		
27	Setto	34	42	43	36	6	25.0		
28	Guscio	38	97	91	50	6	25.0		
29	Setto	9	16	45	39	6	25.0		
30	Setto	39	45	46	40	6	25.0		
31	Setto	40	46	47	41	6	25.0		
32	Setto	41	47	48	42	6	25.0		
33	Setto	42	48	49	43	6	25.0		
34	Guscio	85	109	56	73	11	2.0		
35	Setto	16	2	51	45	6	25.0		
36	Setto	45	51	52	46	6	25.0		
37	Setto	46	52	53	47	6	25.0		
38	Setto	47	53	54	48	6	25.0		
39	Setto	48	54	55	49	6	25.0		
40	Guscio	73	56	74	68	11	2.0		
41	Setto	51	57	15	2	6	25.0		
42	Setto	52	58	57	51	6	25.0		
43	Setto	53	59	58	52	6	25.0		
44	Setto	54	60	59	53	6	25.0		
45	Setto	55	61	60	54	6	25.0		
46	Guscio	109	92	86	56	11	2.0		
47	Setto	57	63	5	15	6	25.0		
48	Setto	58	64	63	57	6	25.0		
49	Setto	59	65	64	58	6	25.0		
50	Setto	60	66	65	59	6	25.0		
51	Setto	61	67	66	60	6	25.0		
52	Guscio	56	86	80	74	11	2.0		
53	Setto	63	69	26	5	6	25.0		
54	Setto	64	70	69	63	6	25.0		
55	Setto	65	71	70	64	6	25.0		
56	Setto	66	72	71	65	6	25.0		
57	Setto	67	62	72	66	6	25.0		
58	Setto	68	74	62	67	6	25.0		
59	Setto	69	75	4	26	6	25.0		
60	Setto	70	76	75	69	6	25.0		
61	Setto	71	77	76	70	6	25.0		
62	Setto	72	78	77	71	6	25.0		
63	Setto	62	79	78	72	6	25.0		
64	Setto	74	80	79	62	6	25.0		
65	Setto	21	4	75	81	6	25.0		
66	Setto	81	75	76	82	6	25.0		
67	Setto	82	76	77	83	6	25.0		
68	Setto	83	77	78	84	6	25.0		
69	Setto	84	78	79	37	6	25.0		
70	Setto	37	79	80	86	6	25.0		
71	Setto	6	21	81	87	6	25.0		
72	Setto	87	81	82	88	6	25.0		
73	Setto	88	82	83	89	6	25.0		
74	Setto	89	83	84	90	6	25.0		
75	Setto	90	84	37	91	6	25.0		
76	Setto	91	37	86	92	6	25.0		
77	Setto	20	6	87	93	6	25.0		
78	Setto	93	87	88	94	6	25.0		
79	Setto	94	88	89	95	6	25.0		
80	Setto	95	89	90	96	6	25.0		
81	Setto	96	90	91	97	6	25.0		

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

82	Guscio	43	19	104	49	6	25.0
83	Setto	3	20	93	99	6	25.0
84	Setto	99	93	94	100	6	25.0
85	Setto	100	94	95	101	6	25.0
86	Setto	101	95	96	102	6	25.0
87	Setto	102	96	97	103	6	25.0
88	Guscio	49	104	61	55	6	25.0
89	Setto	105	99	3	23	6	25.0
90	Setto	106	100	99	105	6	25.0
91	Setto	107	101	100	106	6	25.0
92	Setto	108	102	101	107	6	25.0
93	Setto	44	103	102	108	6	25.0
94	Guscio	19	122	110	104	6	25.0
95	Setto	111	105	23	8	6	25.0
96	Setto	112	106	105	111	6	25.0
97	Setto	113	107	106	112	6	25.0
98	Setto	114	108	107	113	6	25.0
99	Setto	115	44	108	114	6	25.0
100	Guscio	104	110	67	61	6	25.0
101	Setto	117	111	8	10	6	25.0
102	Setto	118	112	111	117	6	25.0
103	Setto	119	113	112	118	6	25.0
104	Setto	120	114	113	119	6	25.0
105	Setto	121	115	114	120	6	25.0
106	Guscio	115	44	38	116	6	25.0
107	Setto	27	117	10	1	6	25.0
108	Setto	29	118	117	27	6	25.0
109	Setto	31	119	118	29	6	25.0
110	Setto	33	120	119	31	6	25.0
111	Setto	35	121	120	33	6	25.0
112	Guscio	44	103	97	38	6	25.0
113	Guscio	35	121	98	36	6	25.0
114	Guscio	121	115	116	98	6	25.0
115	Guscio	36	98	19	43	6	25.0
116	Guscio	98	116	122	19	6	25.0
117	Setto	85	109	50	122	6	25.0
118	Setto	109	92	91	50	6	25.0
119	Setto	110	67	68	73	6	25.0
120	Setto	122	110	73	85	6	25.0



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



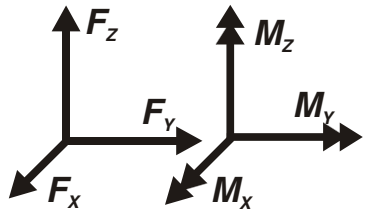
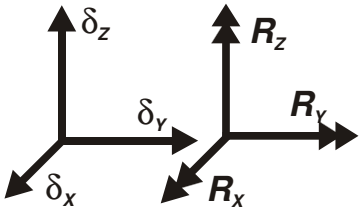
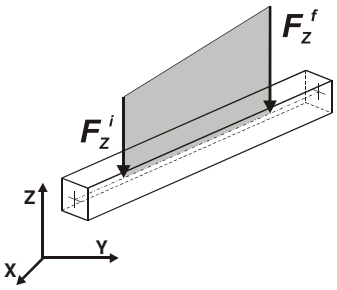
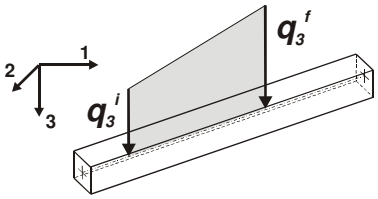
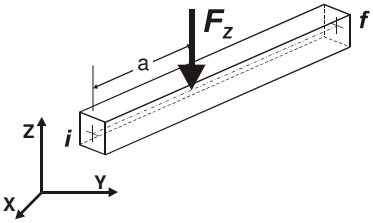
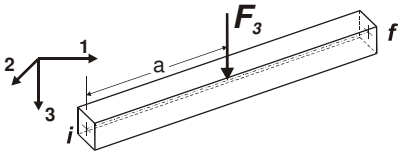
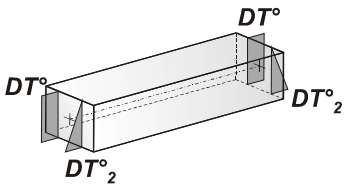
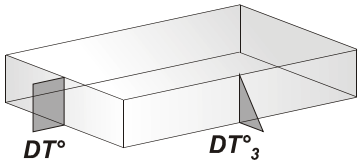
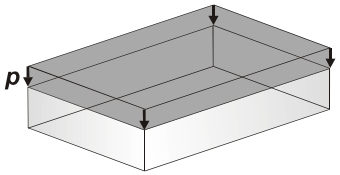
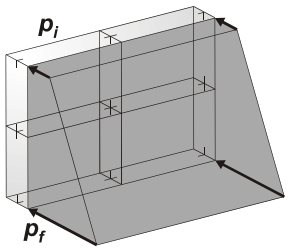
MODELLAZIONE DELLE AZIONI

Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra** 4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi

	Carico concentrato nodale		Spostamento impresso
	Carico distribuito globale		Carico distribuito locale
	Carico concentrato globale		Carico concentrato locale
	Carico termico 2D		Carico termico 3D
	Carico pressione uniforme		Carico pressione variabile

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Accelerazione massima su suolo rigido	a_g	0,590 m/s²
Coefficiente di amplificazione spettrale	F_O	2,370
Periodo di inizio tratto a velocità costante	T_c^*	0,350 s
Categoria di sottosuolo		B
Categoria topografica		T2
Accelerazione di gravità	g	9,806 m/s²
Accelerazione orizzontale riferita al suolo rigido adimensionale	ag/g	0,060
Coefficiente di amplificazione topografica	S_T	1,200
Coefficiente di amplificazione stratigrafica	S_S	1,200
Prodotto SS*ST	S	1,440
Accelerazione orizzontale riferita al sito adimensionale	a(max)/g	0,087
Coefficiente funzione della categoria di sottosuolo	C_c	1,357
Periodo del tratto ad accelerazione costante	T_B	0,158 s
Periodo del tratto a velocità costante	T_C	0,475 s
Periodo del tratto a spostamento costante	T_D	1,841 s
Coefficiente di smorzamento viscoso	ξ	5 %
Coefficiente di correzione per smorzamento viscoso diverso dal 5%	η	1
Coefficiente di riduzione dell'accelerazione massima attesa al sito	βm	1
Coefficiente sismico orizzontale	Kh	0,087
Coefficiente sismico verticale	Kv	± 0,043

Tabella 1Riferimenti parametri sismici

Altezza sovrastruttura stradale : 0,10 m peso specifico γ_{pav} = 22,00 kN/mc
Altezza terreno di ricoprimento : 0,40 m peso specifico γ_{terr} = 18,00 kN/mc
Carico permanente totale su soletta superiore: 0,094 daN/cmq

H_{cist} = 3 m
γ_{terr} = 18,00 kN/mc
K_0 = 0,515
Pressione del terreno a riposo (H 3 m): 0,28 daN/cmq
Pressione del terreno a riposo (H 2,50 m): 0,23 daN/cmq
Pressione del terreno a riposo (H 0,50 m): 0,0463 daN/cmq
Pressione del terreno a riposo (H 0,00 m): 0,0 daN/cmq

Sovraccarico uniforme veicolare : 20.00 kN/mq
Carico variabile veicolare su soletta superiore: 0,20 daN/cmq

Pressione sui piedritti dovuto al carico variabile veicolare: 0,103 daN/cmq (K_0 * 0,20)

Pressione idrostatica su soletta interna
$H_{battente}$ = 2,50 m
γ_w = 10,00 kN/mc
Pressione del liquido (H 2,50 m): 0,25 daN/cmq
Pressione del liquido (H 0,00 m): 0,0 daN/cmq

La spinta delle terre subisce in scenario sismico un incremento dinamico quantificabile attraverso la formulazione proposta dall'EC8 (UNI EN 1998-5, Appendice E) nel Par. E.9, trattandosi di un'opera rigida completamente vincolata. La spinta ΔP_d è pertanto così definita:
$\Delta P_d = \alpha * \gamma_{terr} * H^2$
con: $\alpha = k_h$ (coefficiente sismico da applicare alla massa di terreno)
H = 2.88 m (massimo affondamento dell'opera ovvero del piano medio della soletta inferiore rispetto al piano viabile).
ΔP_d = 0,13 daN/cmq

Tipo	**carico di pressione uniforme su piastra**	
Id	**Tipo**	**pressione**

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Tipo	carico di pressione uniforme su piastra	
Id	Tipo	pressione
		daN/cm2
1	*0.09 terreno + pavimentazione-P3:p= 9.400e-02*	*0.09*
5	*ETK PAN ++ sovraspinta sismica terreno -P3:p=0.13*	*0.13*
6	*ETK PAN -- sovraspinta sismica terreno -P3:p=0.13*	*0.13*
10	*acqua su soletta inf-P3:p=0.25*	*0.25*
13	*P3:p=0.20 (carico variabile veicolare su soletta)*	*0.20*
14	*P3:p=0.10 (carico sui piedritti)*	*0.10*

Tipo	carico di pressione variabile su piastra				
Id	Tipo	pressione	quota	pressione	quota
		daN/cm2	cm	daN/cm2	cm
4	*spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=-0.23 qf=-300.00*	0.0	-50.00	-0.23	-300.00
7	*spinta terreno a riposo-PL3:pi=0.0 qi=0.0 pf=-0.28 qf=-300.00*	0.0	0.0	-0.28	-300.00
8	*spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00*	0.0	-50.00	0.23	-300.00
9	*spinta terreno a riposo-PL3:pi=0.0 qi=0.0 pf= 4.630e-02 qf=-50.00*	0.0	0.0	0.05	-50.00
11	*PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00*	0.0	-50.00	0.25	-300.00
12	*PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00*	0.0	-50.00	-0.25	-300.00

SCHEMATIZZAZIONE DEI CASI DI CARICO

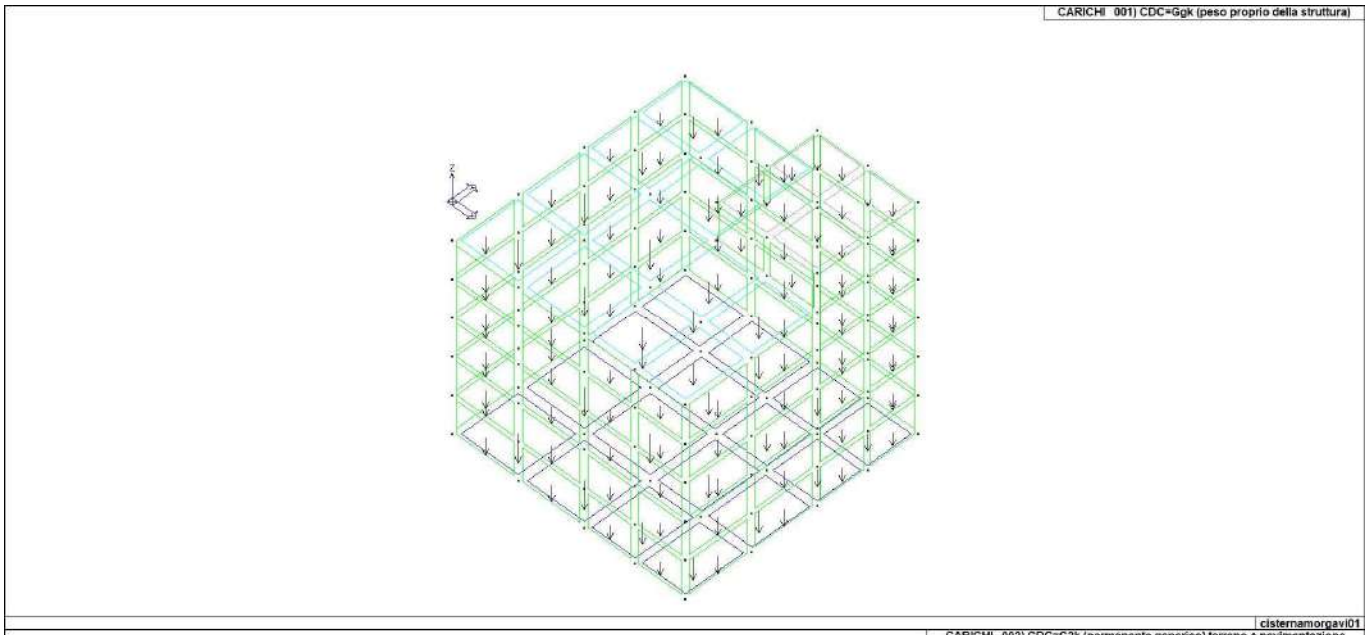
CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	CDC=G2k (permanente generico) terreno + pavimentazione	Azioni applicate:
			D3 : 22 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 : 28 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 : 82 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 : 88 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 : 94 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 : 100 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 : 106 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
			D3 :da 112 a 116 Azione : 0.09 terreno + pavimentazione-P3:p= 9.400e-02
3	Gk	CDC=G2k (permanente generico) spinta a riposo	Azioni applicate:
			D3 :da 1 a 16 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=0.0 pf= 4.630e-02 qf=-50.00
			D3 :da 17 a 21 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 23 a 27 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 29 a 33 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 35 a 39 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 41 a 45 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=-0.23 qf=-300.00
			D3 :da 47 a 51 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=-0.23 qf=-300.00
			D3 :da 53 a 76 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=0.0 pf=-0.28 qf=-300.00
			D3 :da 77 a 81 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=-0.23 qf=-300.00
			D3 :da 83 a 87 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=-0.23 qf=-300.00
			D3 :da 89 a 93 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 95 a 99 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 101 a 105 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 107 a 111 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=-50.00 pf=0.23 qf=-300.00
			D3 :da 117 a 120 Azione : spinta terreno a riposo-PL3:pi=0.0 qi=0.0 pf= 4.630e-02 qf=-50.00
4	Gk	CDC=G2k (permanente generico) acqua	Azioni applicate:
			D3 :da 1 a 16 Azione : acqua su soletta inf-P3:p=0.25
			D3 :da 17 a 21 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 23 a 27 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 29 a 33 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 35 a 39 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 41 a 45 Azione : PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00
			D3 :da 47 a 51 Azione : PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00

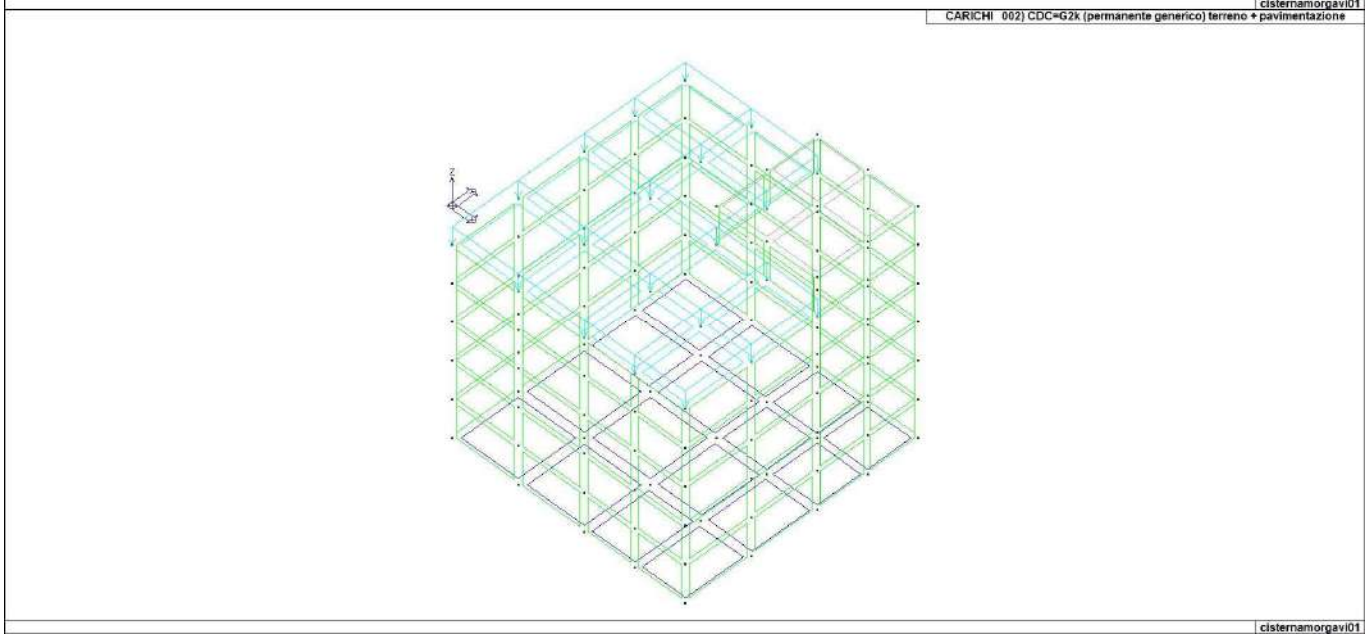
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

CDC	Tipo	Sigla Id	Note
			D3 :da 53 a 57 Azione : PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00
			D3 :da 59 a 63 Azione : PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00
			D3 :da 65 a 81 Azione : PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00
			D3 :da 83 a 87 Azione : PL3:pi=0.0 qi=-50.00 pf=0.25 qf=-300.00
			D3 :da 89 a 93 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 95 a 99 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 101 a 105 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
			D3 :da 107 a 111 Azione : PL3:pi=0.0 qi=-50.00 pf=-0.25 qf=-300.00
5	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=0.0	Azioni applicate:
			D3 :da 17 a 21 Azione : ETK PAN ++ sovraspinta sismica terreno - P3:p=0.13
			D3 :da 23 a 27 Azione : ETK PAN ++ sovraspinta sismica terreno - P3:p=0.13
			D3 :da 29 a 33 Azione : ETK PAN ++ sovraspinta sismica terreno - P3:p=0.13
			D3 :da 35 a 39 Azione : ETK PAN ++ sovraspinta sismica terreno - P3:p=0.13
6	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=0.0	Azioni applicate:
			D3 :da 65 a 81 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
			D3 :da 83 a 87 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
			D3 :da 119 a 120 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
7	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=90.00	Azioni applicate:
			D3 :da 89 a 93 Azione : ETK PAN ++ sovraspinta sismica terreno - P3:p=0.13
			D3 :da 95 a 99 Azione : ETK PAN ++ sovraspinta sismica terreno - P3:p=0.13
			D3 :da 101 a 105 Azione : ETK PAN ++ sovraspinta sismica terreno -P3:p=0.13
			D3 :da 107 a 111 Azione : ETK PAN ++ sovraspinta sismica terreno -P3:p=0.13
8	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=90.00	Azioni applicate:
			D3 :da 41 a 45 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
			D3 :da 47 a 51 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
			D3 :da 53 a 64 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
			D3 :da 117 a 118 Azione : ETK PAN -- sovraspinta sismica terreno - P3:p=0.13
9	Qk	CDC=Qk (variabile generico) carico veicolare su soletta	Azioni applicate:
			D3 : 22 Azione : P3:p=0.20
			D3 : 28 Azione : P3:p=0.20
			D3 : 82 Azione : P3:p=0.20
			D3 : 88 Azione : P3:p=0.20
			D3 : 94 Azione : P3:p=0.20
			D3 : 100 Azione : P3:p=0.20
			D3 : 106 Azione : P3:p=0.20
			D3 :da 112 a 116 Azione : P3:p=0.20
10	Qk	CDC=Qk (variabile generico) spinta sui piedritti veicoli	Azioni applicate:
			D3 :da 17 a 21 Azione : P3:p=0.10
			D3 :da 23 a 27 Azione : P3:p=0.10
			D3 :da 29 a 33 Azione : P3:p=0.10
			D3 :da 35 a 39 Azione : P3:p=0.10
11	Qtk	CDC=Qtk (carico termico) dT= 10.00	variazione termica:10.00
12	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G2k (permanente generico) terreno + pavimentazione
			partecipazione:1.00 per 3 CDC=G2k (permanente generico) spinta a riposo
			partecipazione:1.00 per 4 CDC=G2k (permanente generico) acqua
			partecipazione:0.80 per 9 CDC=Qk (variabile generico) carico veicolare su soletta
			partecipazione:0.80 per 10 CDC=Qk (variabile generico) spinta sui piedritti veicoli
13	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
14	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
15	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
16	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico

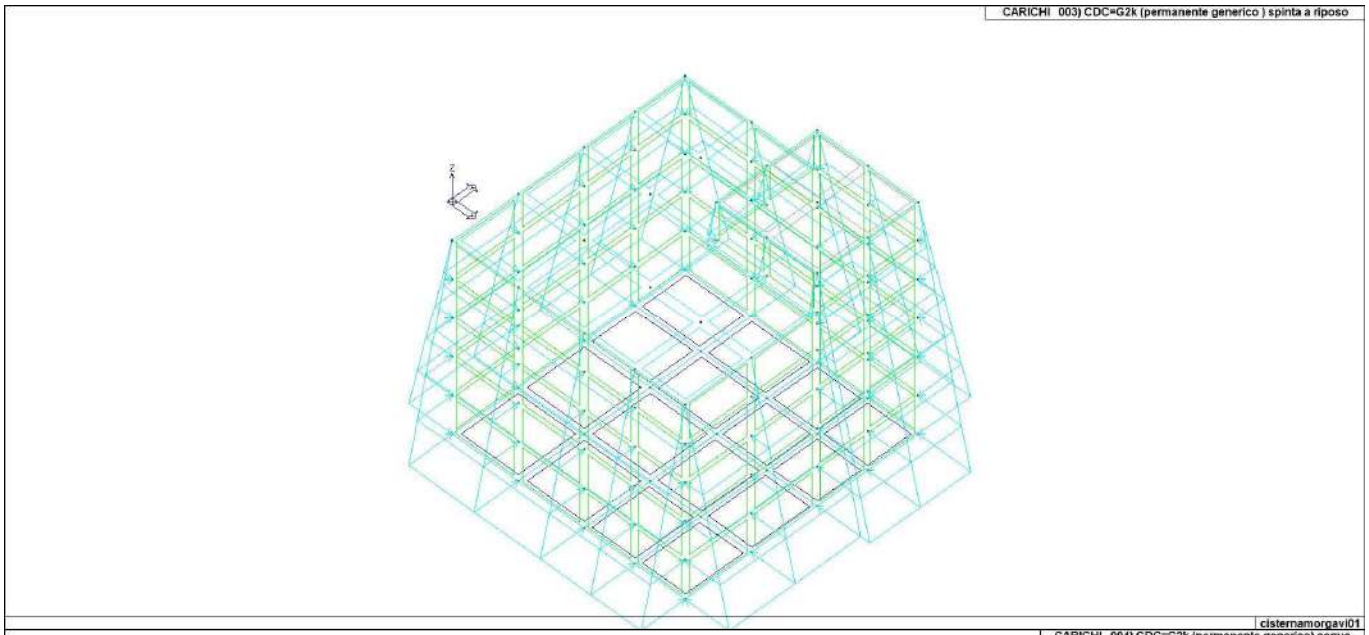
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

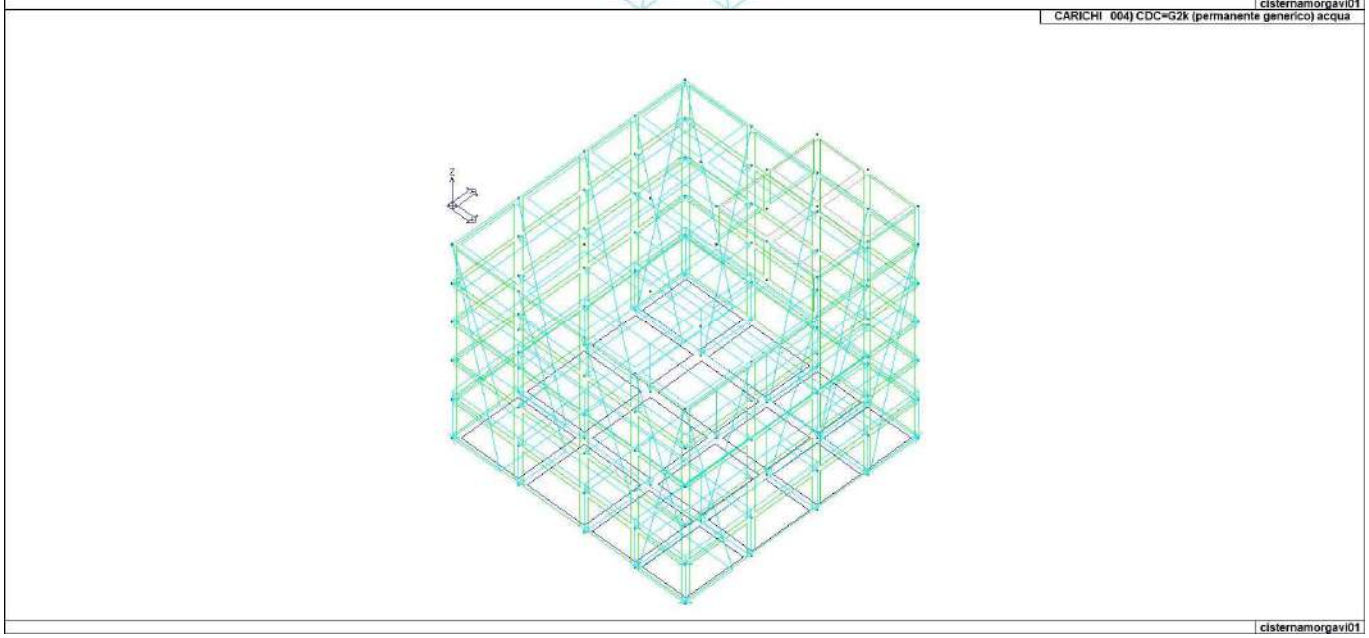
CDC	Tipo	Sigla Id	Note
17	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
18	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
19	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico



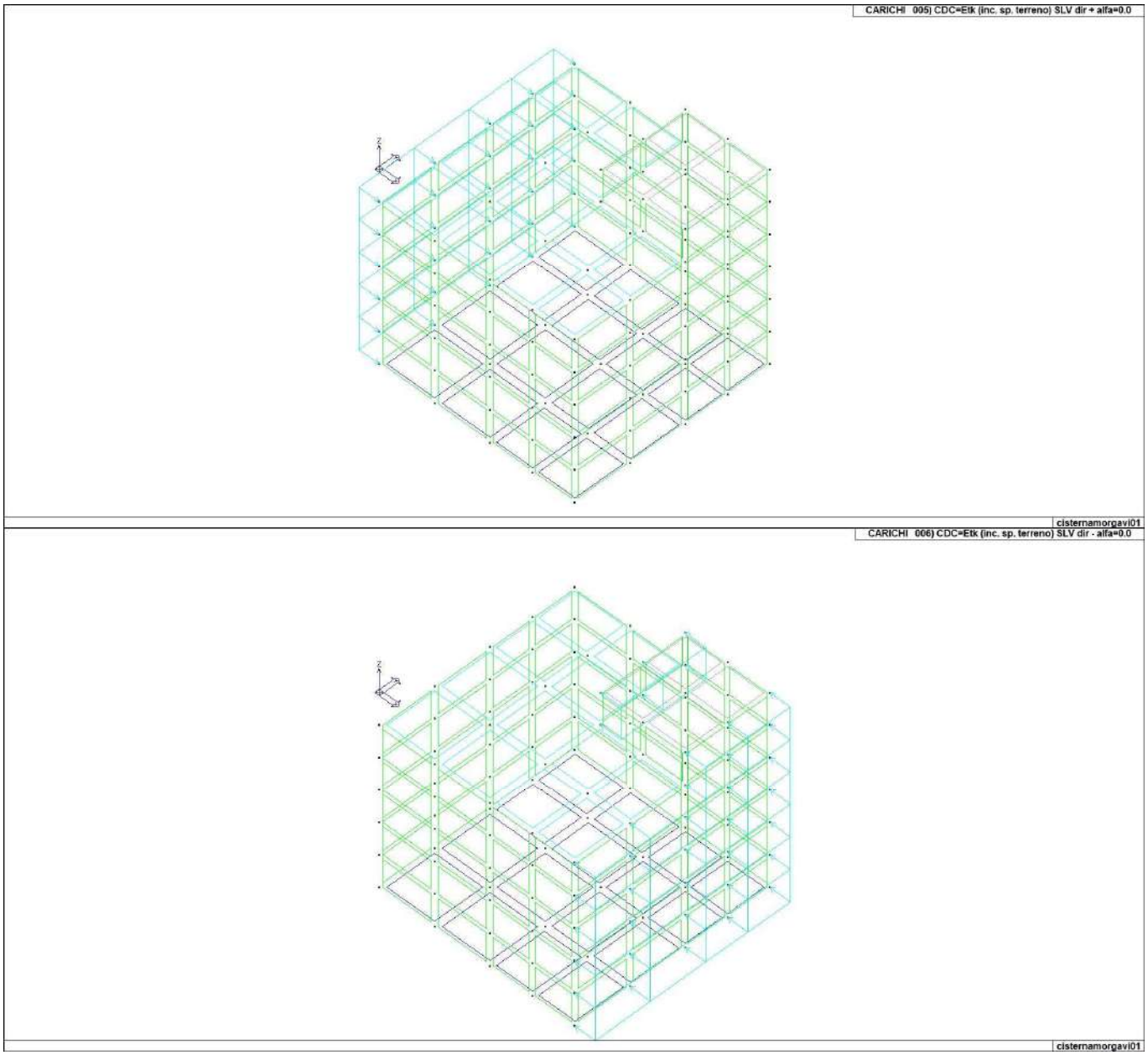


cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

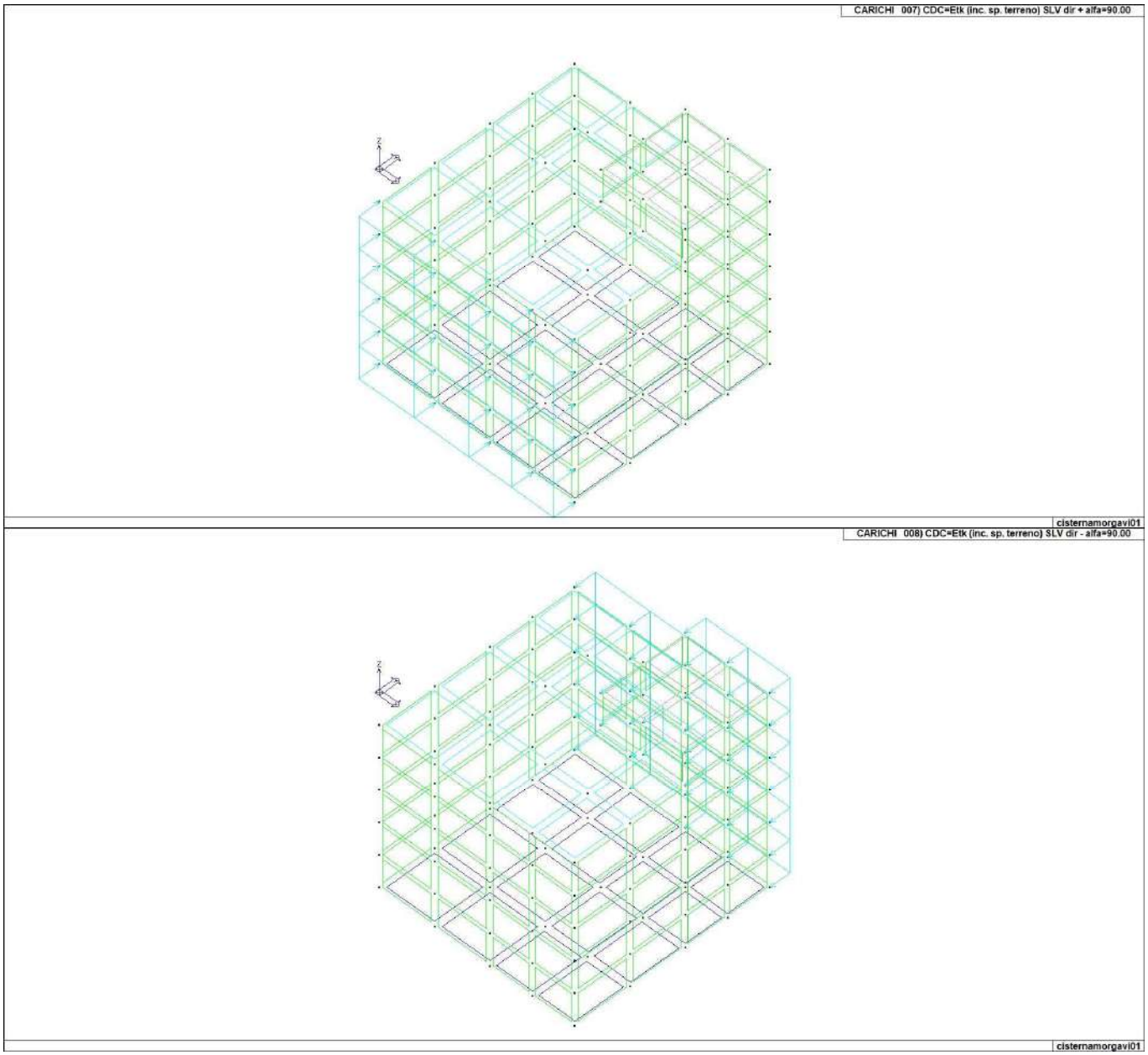




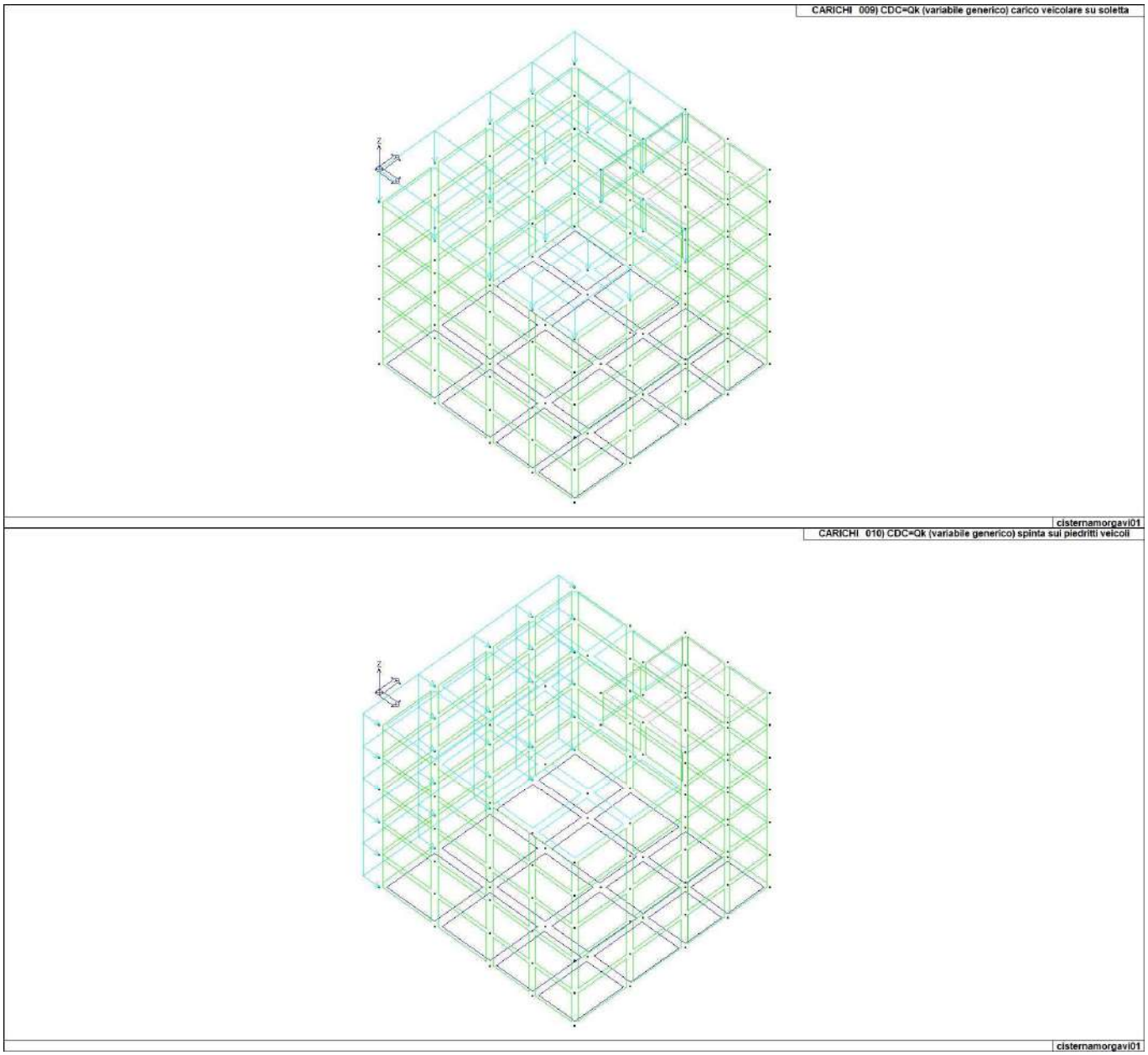
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



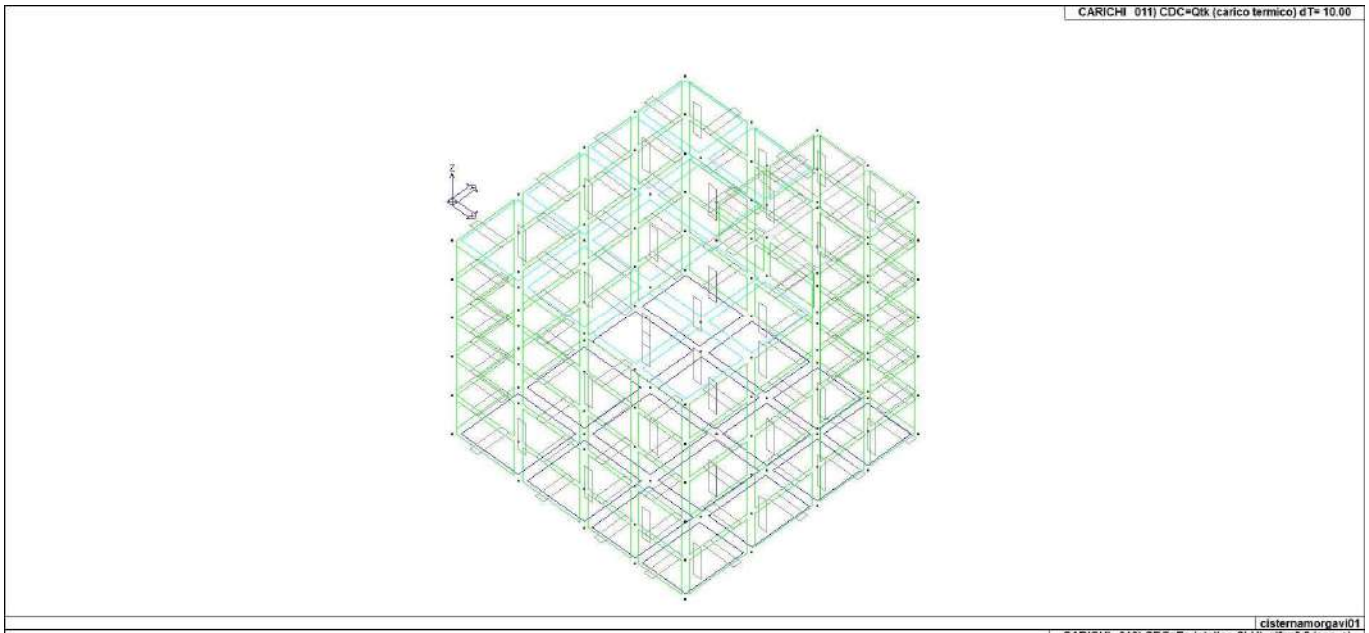
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

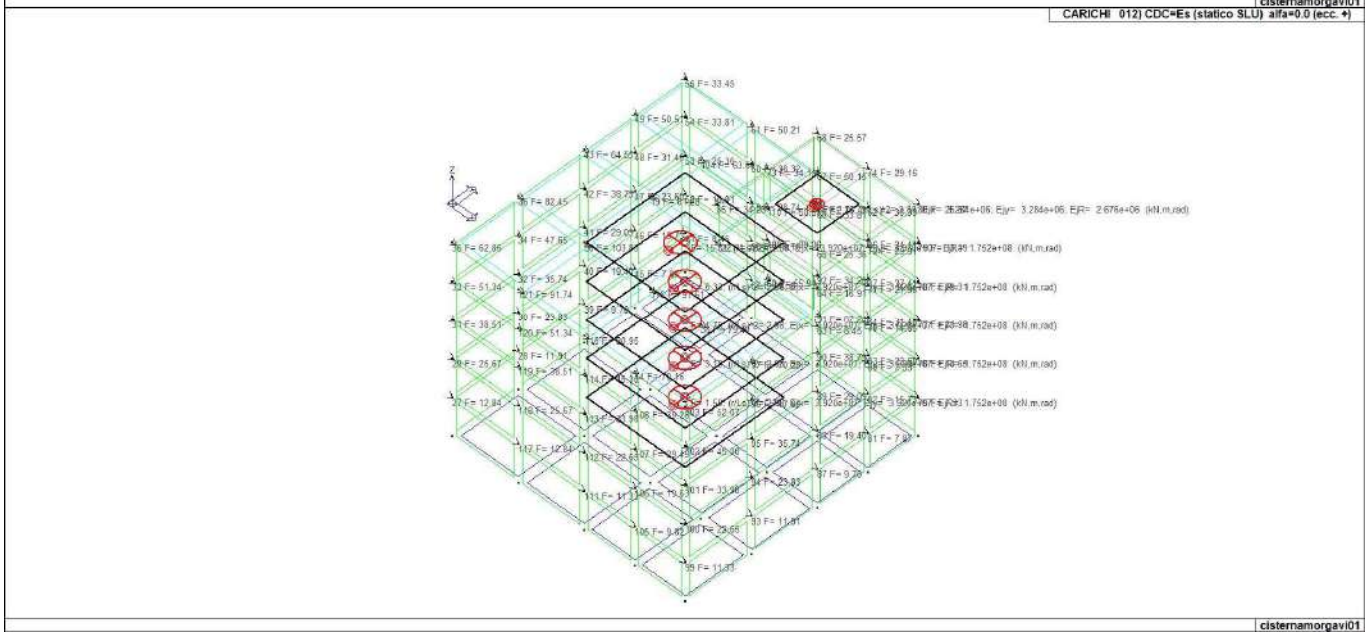


cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

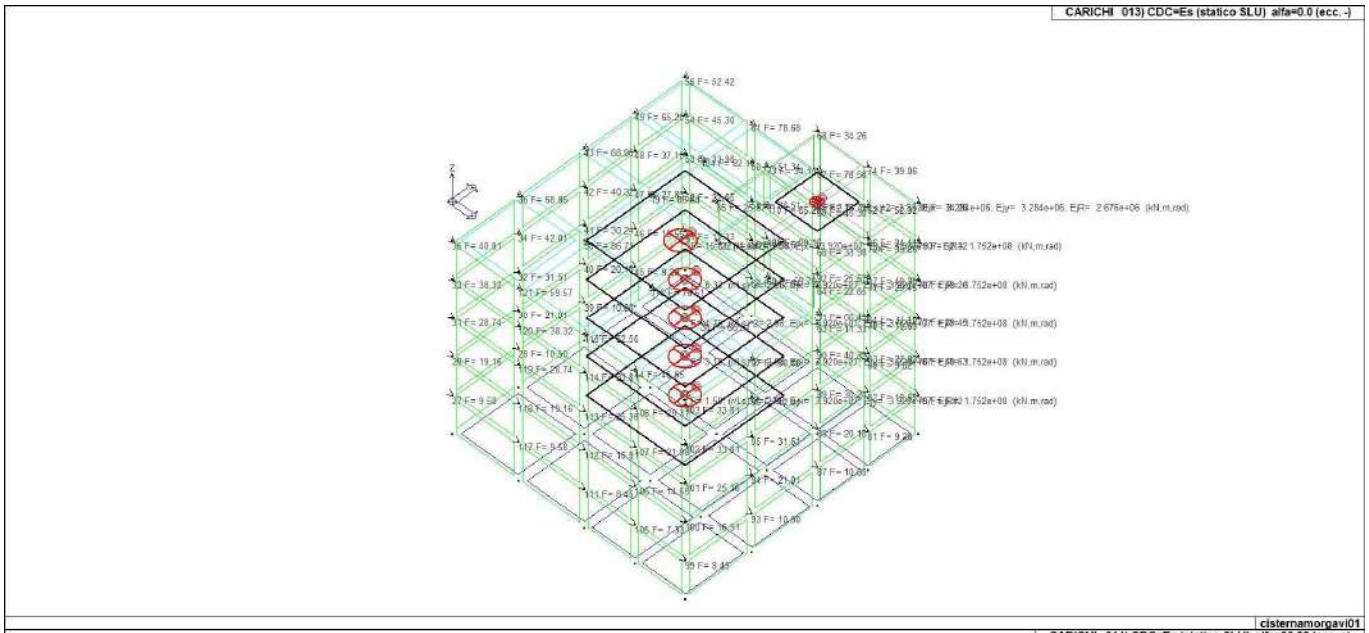


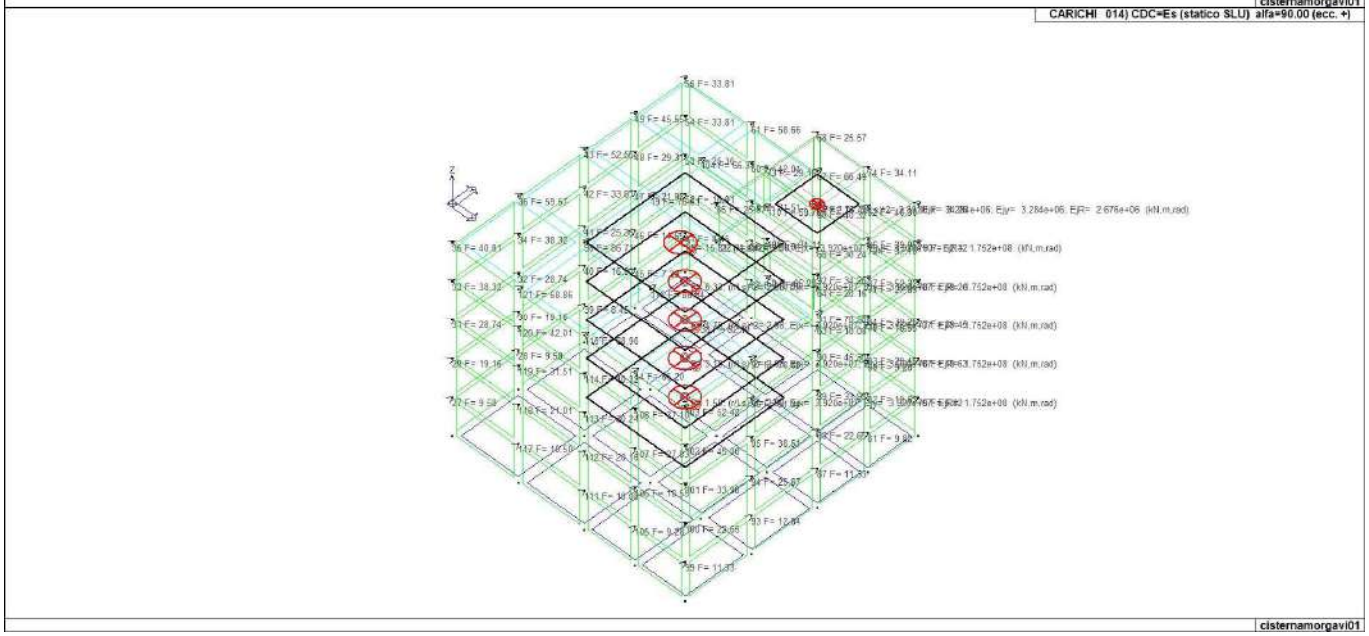
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



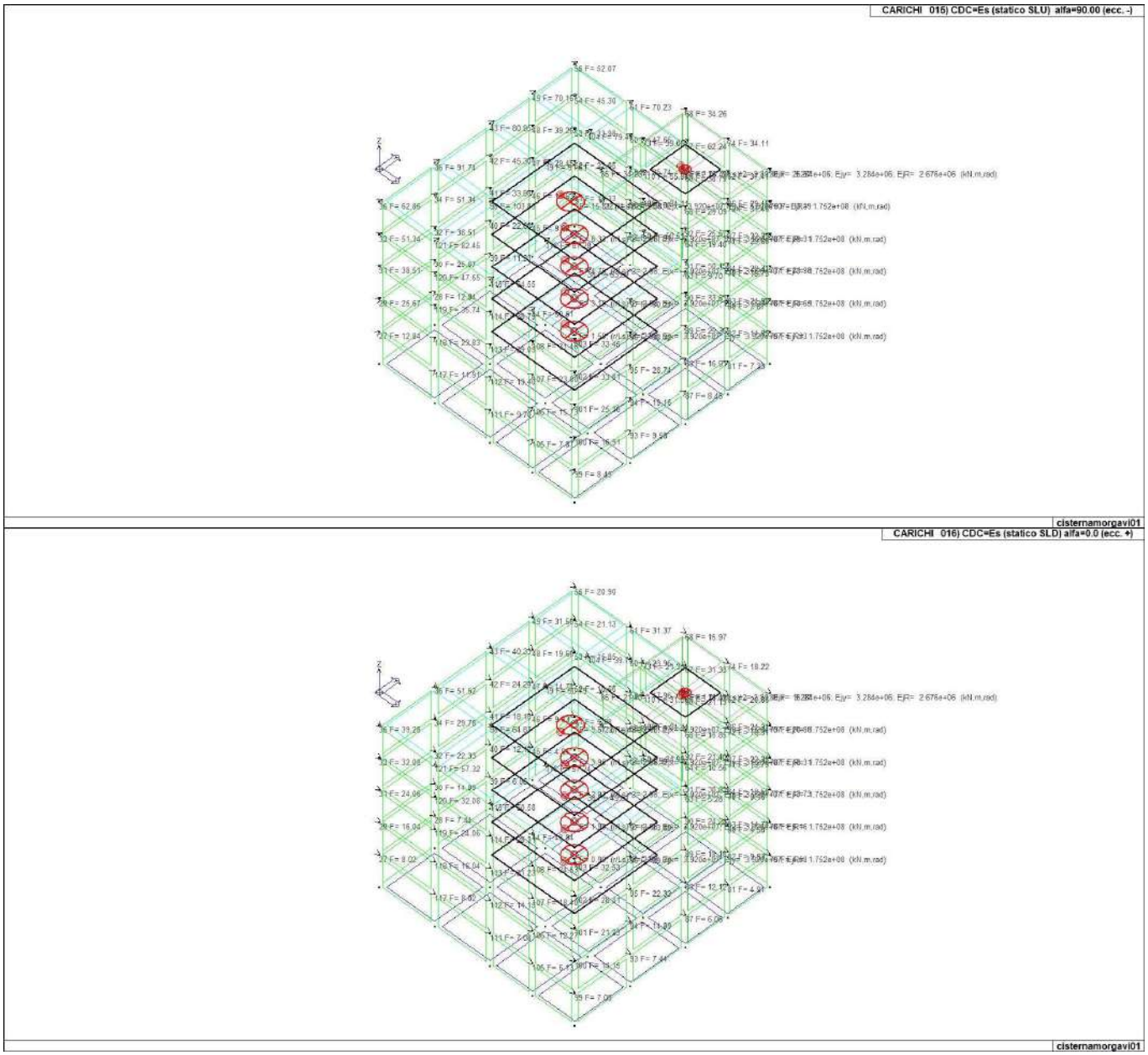


cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

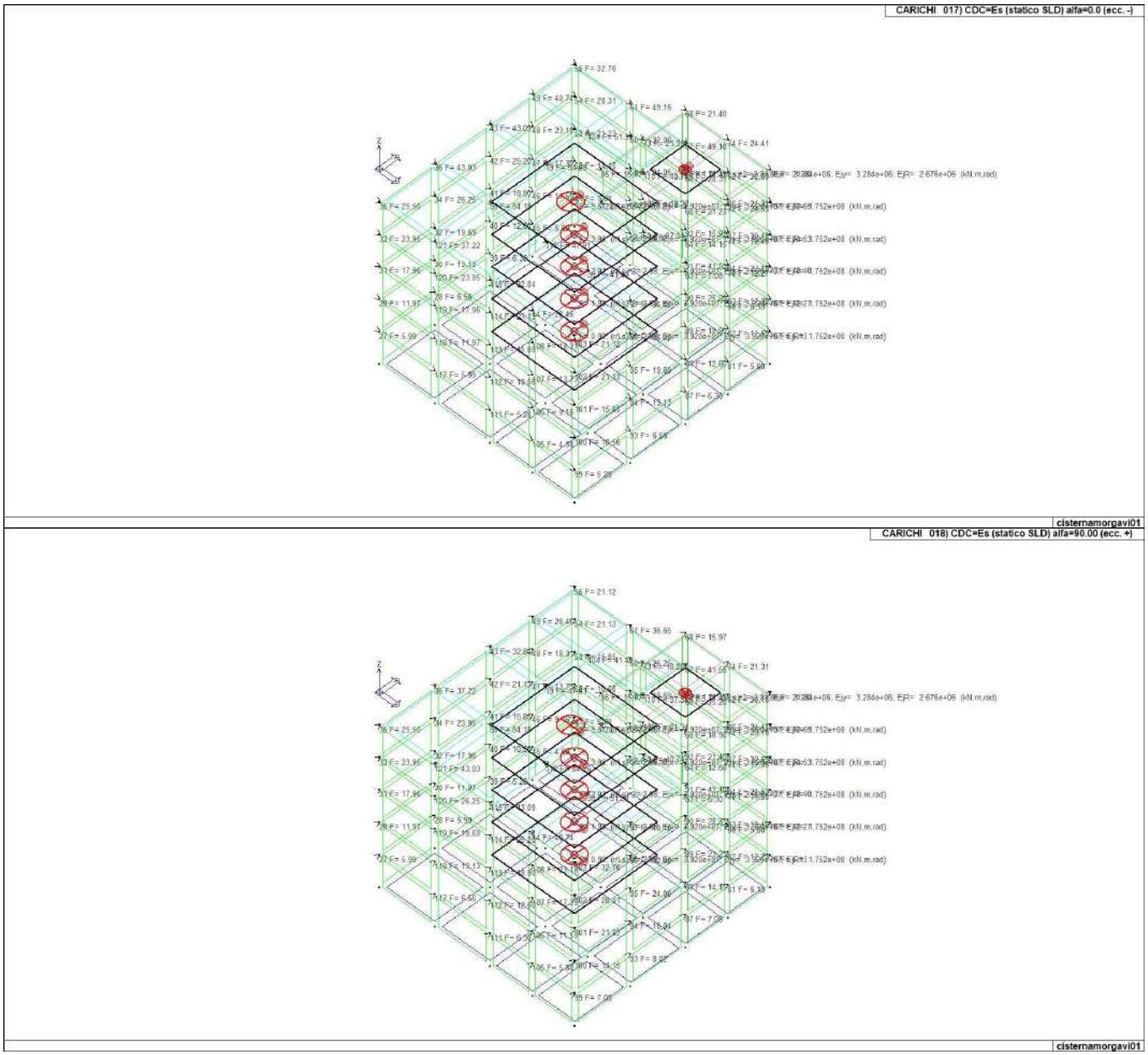




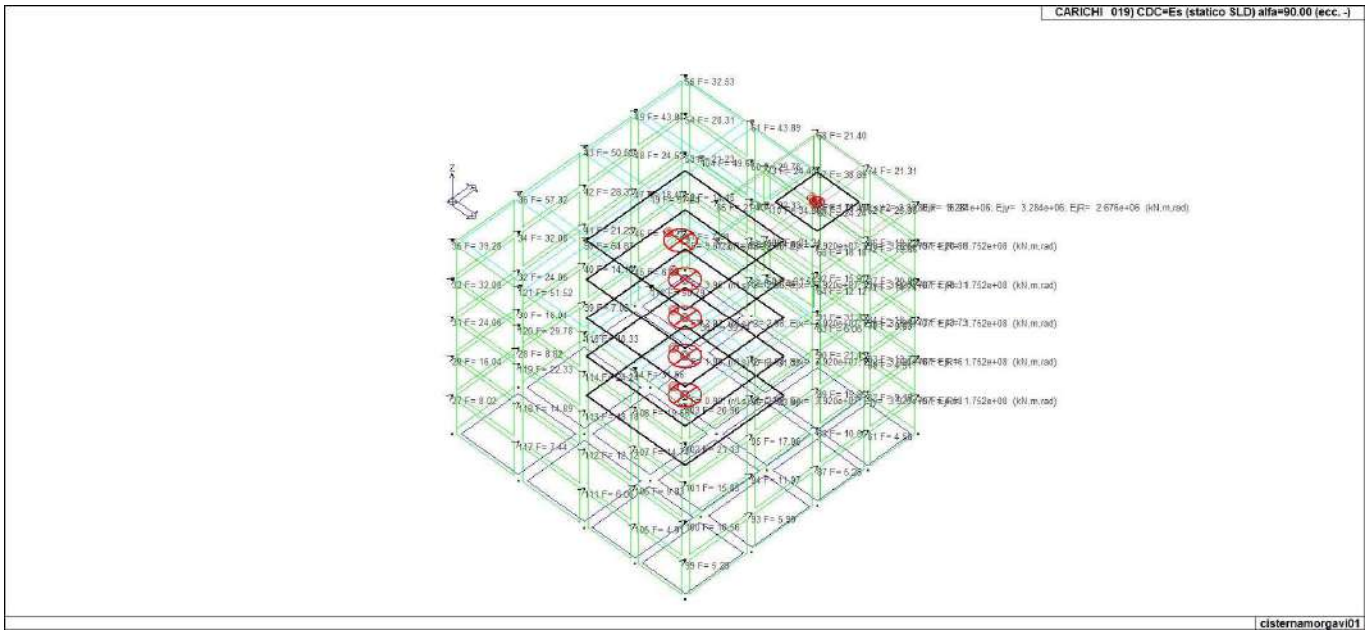
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



DEFINIZIONE DELLE COMBINAZIONI

Cmb	Tipo	Sigla Id
1	SLU	Comb. SLU A1 1
2	SLU	Comb. SLU A1 2
3	SLU	Comb. SLU A1 3
4	SLU	Comb. SLU A1 4
5	SLU	Comb. SLU A1 5
6	SLU	Comb. SLU A1 6
7	SLU	Combinazione 7
8	SLU	Combinazione 8 solo terreno
9	SLU	Combinazione 9 solo acqua
10	SLU	Comb. SLU A1 (SLV sism.) 10
11	SLU	Comb. SLU A1 (SLV sism.) 11
12	SLU	Comb. SLU A1 (SLV sism.) 12
13	SLU	Comb. SLU A1 (SLV sism.) 13
14	SLU	Comb. SLU A1 (SLV sism.) 14
15	SLU	Comb. SLU A1 (SLV sism.) 15
16	SLU	Comb. SLU A1 (SLV sism.) 16
17	SLU	Comb. SLU A1 (SLV sism.) 17
18	SLU	Comb. SLU A1 (SLV sism.) 18
19	SLU	Comb. SLU A1 (SLV sism.) 19
20	SLU	Comb. SLU A1 (SLV sism.) 20
21	SLU	Comb. SLU A1 (SLV sism.) 21
22	SLU	Comb. SLU A1 (SLV sism.) 22
23	SLU	Comb. SLU A1 (SLV sism.) 23
24	SLU	Comb. SLU A1 (SLV sism.) 24
25	SLU	Comb. SLU A1 (SLV sism.) 25
26	SLU	Comb. SLU A1 (SLV sism.) 26
27	SLU	Comb. SLU A1 (SLV sism.) 27
28	SLU	Comb. SLU A1 (SLV sism.) 28
29	SLU	Comb. SLU A1 (SLV sism.) 29
30	SLU	Comb. SLU A1 (SLV sism.) 30
31	SLU	Comb. SLU A1 (SLV sism.) 31
32	SLU	Comb. SLU A1 (SLV sism.) 32
33	SLU	Comb. SLU A1 (SLV sism.) 33
34	SLU	Comb. SLU A1 (SLV sism.) 34
35	SLU	Comb. SLU A1 (SLV sism.) 35
36	SLU	Comb. SLU A1 (SLV sism.) 36
37	SLU	Comb. SLU A1 (SLV sism.) 37
38	SLU	Comb. SLU A1 (SLV sism.) 38
39	SLU	Comb. SLU A1 (SLV sism.) 39
40	SLU	Comb. SLU A1 (SLV sism.) 40
41	SLU	Comb. SLU A1 (SLV sism.) 41
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Cmb	Tipo	Sigla Id
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73
74	SLE(r)	Comb. SLE(rara) 74
75	SLE(r)	Comb. SLE(rara) 75
76	SLE(r)	Comb. SLE(rara) 76
77	SLE(f)	Comb. SLE(freq.) 77
78	SLE(f)	Comb. SLE(freq.) 78
79	SLE(f)	Comb. SLE(freq.) 79
80	SLE(p)	Comb. SLE(perm.) 80

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	1.50	1.13	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
2	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.50	1.13	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
3	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	1.13	1.50	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
4	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.13	1.50	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
5	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	1.13	1.13	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
6	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.13	1.13	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
7	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	1.50	1.13	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
8	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
9	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
10	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	-1.00	0.0	-0.30
	0.0	0.0	0.0	0.0	0.0									
11	1.00	1.00	1.00	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
	0.0	0.0	0.0	0.0	0.0									
12	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	1.00	0.0	-0.30
	0.0	0.0	0.0	0.0	0.0									
13	1.00	1.00	1.00	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30
	0.0	0.0	0.0	0.0	0.0									
14	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	-1.00	0.0	0.0
	-0.30	0.0	0.0	0.0	0.0									
15	1.00	1.00	1.00	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0
	0.30	0.0	0.0	0.0	0.0									
16	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	1.00	0.0	0.0
	-0.30	0.0	0.0	0.0	0.0									
17	1.00	1.00	1.00	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.30	0.0	0.0	0.0	0.0									
18	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	-1.00	-0.30
	0.0	0.0	0.0	0.0	0.0									
19	1.00	1.00	1.00	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.30
	0.0	0.0	0.0	0.0	0.0									
20	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	-0.30
	0.0	0.0	0.0	0.0	0.0									
21	1.00	1.00	1.00	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30
	0.0	0.0	0.0	0.0	0.0									
22	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	-1.00	0.0
	-0.30	0.0	0.0	0.0	0.0									
23	1.00	1.00	1.00	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	0.30	0.0	0.0	0.0	0.0									
24	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.0
	-0.30	0.0	0.0	0.0	0.0									
25	1.00	1.00	1.00	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.30	0.0	0.0	0.0	0.0									
26	1.00	1.00	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	-0.30	0.0	-1.00
	0.0	0.0	0.0	0.0	0.0									
27	1.00	1.00	1.00	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00
	0.0	0.0	0.0	0.0	0.0									
28	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.30	0.0	-1.00
	0.0	0.0	0.0	0.0	0.0									
29	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00
	0.0	0.0	0.0	0.0	0.0									
30	1.00	1.00	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	-0.30	-1.00
	0.0	0.0	0.0	0.0	0.0									
31	1.00	1.00	1.00	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00
	0.0	0.0	0.0	0.0	0.0									
32	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30	-1.00
	0.0	0.0	0.0	0.0	0.0									
33	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00
	0.0	0.0	0.0	0.0	0.0									
34	1.00	1.00	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	-0.30	0.0	0.0
	-1.00	0.0	0.0	0.0	0.0									
35	1.00	1.00	1.00	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0
	1.00	0.0	0.0	0.0	0.0									
36	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.30	0.0	0.0
	-1.00	0.0	0.0	0.0	0.0									
37	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0
	1.00	0.0	0.0	0.0	0.0									
38	1.00	1.00	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	-0.30	0.0
	-1.00	0.0	0.0	0.0	0.0									
39	1.00	1.00	1.00	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	1.00	0.0	0.0	0.0	0.0									
40	1.00	1.00	1.00	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30	0.0
	-1.00	0.0	0.0	0.0	0.0									
41	1.00	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	1.00	0.0	0.0	0.0	0.0									
42	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	-0.30	0.0									
43	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	0.30	0.0									
44	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	-0.30	0.0									
45	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.30	0.0									
46	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	0.0	-0.30									
47	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	0.0	0.30									
48	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.0	-0.30									
49	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.0	0.30									
50	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	-0.30	0.0									
51	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.30	0.0									
52	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	-0.30	0.0									
53	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	1.00	0.30	0.0									
54	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	-0.30									
55	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	0.30									
56	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	-0.30									
57	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.30									
58	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	-1.00	0.0									
59	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	1.00	0.0									
60	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	-1.00	0.0									
61	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	1.00	0.0									
62	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	-1.00	0.0									
63	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	1.00	0.0									
64	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	-1.00	0.0									
65	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	1.00	0.0									
66	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	0.0	-1.00									
67	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	0.0	1.00									
68	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	0.0	-1.00									
69	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	0.0	1.00									
70	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	-1.00									
71	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	1.00									
72	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	-1.00									
73	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	1.00									
74	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.75	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
75	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.75	1.00	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
76	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.75	0.75	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
77	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
78	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
79	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									
80	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0									

VALUTAZIONE DELL'AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale. L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag:accelerazione orizzontale massima del terreno;

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Fo:valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c:periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	**Vita Vn [anni]**	**Coeff. Uso**	**Periodo Vr [anni]**	**Tipo di suolo**	**Categoria topografica**
I	**50.0**	**0.7**	**35.0**	**B**	**T2**

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.
Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, Se, è definito dalle seguenti espressioni:

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

Dove per sottosuolo di categoria **A** i coefficienti S_S e C_C valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_S e C_C vengono calcolati mediante le espressioni riportane nella seguente Tabella

Categoria sottosuolo	S_S	C_C
A	1,00	1,00
B	$1,00 \le 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \le 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \le 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \le 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \le 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \le 1,80$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \le 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \le 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

$$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)$$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

Categoria di sottosuolo	S_S	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	8.893	44.420	
16917	8.872	44.395	3.202
16918	8.942	44.398	4.545
16696	8.938	44.448	4.741
16695	8.868	44.445	3.450

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.023	2.545	0.182
SLD	63.0	35.0	0.025	2.539	0.188
SLV	10.0	332.0	0.060	2.532	0.280
SLC	5.0	682.0	0.077	2.534	0.293

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.023	1.440	2.545	0.521	0.094	0.281	1.692
SLD	0.025	1.440	2.539	0.540	0.096	0.289	1.699
SLV	0.060	1.440	2.532	0.835	0.132	0.397	1.839
SLC	0.077	1.440	2.534	0.947	0.137	0.412	1.907

RISULTATI ANALISI SISMICHE

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza).

Analisi sismica statica equivalente:

- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Calcolo dei fattori di comportamento secondo il D.M. 17/01/2018

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata considerando un comportamento non dissipativo (ND).

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo

Valore rapporto au/a1 = 1.000

Valore base fattore q0 = 3.000 au/a1 =3.000

Fattore pareti kw = 1.000

Fattore di regolarità KR = 1.0

Fattore dissipativo qD = q0 • kw • KR =3.000

Fattore non dissipativo qND = 2/3 • qD = 1.500 (≤1.5)

Fattori di comportamento utilizzati

	Dissipativi	Non dissipativi
q SLU x	3.000	1.500
q SLU y	3.000	1.500
q SLU z	1.500	1.500

CDC	Tipo	Sigla Id	Note
12	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.145 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.132 sec.
			fattore q: 1.500
			fattore per spost. mu d: 2.504
			classe di duttilità CD: ND
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.145

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	272.88	272.88	1077.83	235.00	235.00	0.0	-6.50	235.00	235.00	2.893	0.0	0.0
-50.00	1530.90	1803.78	7256.25	147.14	147.14	0.0	-15.00	150.00	150.00	2.979	0.014	0.014
-100.00	632.93	2436.71	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
-150.00	474.70	2911.40	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
-200.00	316.47	3227.87	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
-250.00	158.23	3386.10	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
Risulta	3386.10		2.333e+04									

CDC	Tipo	Sigla Id	Note
13	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.145 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.132 sec.
			fattore q: 1.500
			fattore per spost. mu d: 2.504
			classe di duttilità CD: ND
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.145

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
0.0	272.88	272.88	1077.83	235.00	235.00	0.0	6.50	235.00	235.00	2.893	0.0	0.0
-50.00	1530.90	1803.78	7256.25	147.14	147.14	0.0	15.00	150.00	150.00	2.979	0.014	0.014
-100.00	632.93	2436.71	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
-150.00	474.70	2911.40	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
-200.00	316.47	3227.87	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
-250.00	158.23	3386.10	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
Risulta	3386.10		2.333e+04									

CDC	Tipo	Sigla Id	Note
14	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.145 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.149 sec.
			fattore q: 1.500
			fattore per spost. mu d: 2.332
			classe di duttilità CD: ND
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.145

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	272.88	272.88	1077.83	235.00	235.00	6.50	0.0	235.00	235.00	2.893	0.0	0.0
-50.00	1530.90	1803.78	7256.25	147.14	147.14	15.00	0.0	150.00	150.00	2.979	0.014	0.014
-100.00	632.93	2436.71	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
-150.00	474.70	2911.40	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
-200.00	316.47	3227.87	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
-250.00	158.23	3386.10	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
Risulta	3386.10		2.333e+04									

CDC	Tipo	Sigla Id	Note
15	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.145 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.149 sec.
			fattore q: 1.500
			fattore per spost. mu d: 2.332
			classe di duttilità CD: ND
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.145

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	272.88	272.88	1077.83	235.00	235.00	-6.50	0.0	235.00	235.00	2.893	0.0	0.0
-50.00	1530.90	1803.78	7256.25	147.14	147.14	-15.00	0.0	150.00	150.00	2.979	0.014	0.014
-100.00	632.93	2436.71	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
-150.00	474.70	2911.40	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
-200.00	316.47	3227.87	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
-250.00	158.23	3386.10	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
Risulta	3386.10		2.333e+04									

CDC	Tipo	Sigla Id	Note
16	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

CDC	Tipo	Sigla Id	Note
			ordinata spettro (tratto Tb-Tc) = 0.091 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.132 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.091

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	170.50	170.50	1077.83	235.00	235.00	0.0	-6.50	235.00	235.00	2.893	0.0	0.0
-50.00	956.56	1127.07	7256.25	147.14	147.14	0.0	-15.00	150.00	150.00	2.979	0.014	0.014
-100.00	395.48	1522.55	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
-150.00	296.61	1819.16	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
-200.00	197.74	2016.90	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
-250.00	98.87	2115.77	3750.00	150.00	150.00	0.0	-15.00	150.00	150.00	2.979	0.0	0.0
Risulta	2115.77		2.333e+04									

CDC	Tipo	Sigla Id	Note
17	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.091 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.132 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.091

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	170.50	170.50	1077.83	235.00	235.00	0.0	6.50	235.00	235.00	2.893	0.0	0.0
-50.00	956.56	1127.07	7256.25	147.14	147.14	0.0	15.00	150.00	150.00	2.979	0.014	0.014
-100.00	395.48	1522.55	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
-150.00	296.61	1819.16	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
-200.00	197.74	2016.90	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
-250.00	98.87	2115.77	3750.00	150.00	150.00	0.0	15.00	150.00	150.00	2.979	0.0	0.0
Risulta	2115.77		2.333e+04									

CDC	Tipo	Sigla Id	Note
18	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.091 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.149 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.091

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	170.50	170.50	1077.83	235.00	235.00	6.50	0.0	235.00	235.00	2.893	0.0	0.0
-50.00	956.56	1127.07	7256.25	147.14	147.14	15.00	0.0	150.00	150.00	2.979	0.014	0.014
-100.00	395.48	1522.55	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
-150.00	296.61	1819.16	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
-200.00	197.74	2016.90	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
-250.00	98.87	2115.77	3750.00	150.00	150.00	15.00	0.0	150.00	150.00	2.979	0.0	0.0
Risulta	2115.77		2.333e+04									

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

CDC	Tipo	Sigla Id	Note
19	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.091 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.149 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.091

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
0.0	170.50	170.50	1077.83	235.00	235.00	-6.50	0.0	235.00	235.00	2.893	0.0	0.0
-50.00	956.56	1127.07	7256.25	147.14	147.14	-15.00	0.0	150.00	150.00	2.979	0.014	0.014
-100.00	395.48	1522.55	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
-150.00	296.61	1819.16	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
-200.00	197.74	2016.90	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
-250.00	98.87	2115.77	3750.00	150.00	150.00	-15.00	0.0	150.00	150.00	2.979	0.0	0.0
Risulta	2115.77		2.333e+04									

RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.La tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	4	0.04	-0.02	-0.17	3.89e-04	4.52e-04	2.91e-05
1	5	0.01	-0.04	-0.27	5.40e-04	4.10e-04	1.36e-05
1	7	0.03	-0.02	-0.27	5.25e-04	4.63e-04	2.75e-05
1	10	-0.08	-0.02	-0.27	4.25e-04	-4.40e-04	-6.19e-05
1	34	-0.04	-0.06	-0.28	8.41e-04	-2.40e-05	-8.22e-05
1	36	9.40e-04	-0.06	-0.24	8.53e-04	2.87e-04	-5.94e-05
1	42	-0.02	-5.90e-03	-0.19	3.03e-04	2.23e-05	-2.55e-05
1	66	-0.01	-0.01	-0.19	3.80e-04	9.89e-05	-1.40e-05
1	68	-5.00e-03	-0.01	-0.18	3.82e-04	1.62e-04	-6.94e-06
1	74	0.01	-0.02	-0.20	4.02e-04	2.82e-04	9.02e-06
1	75	0.02	-0.02	-0.18	3.74e-04	3.46e-04	1.51e-05
1	76	7.03e-03	-0.02	-0.19	3.72e-04	2.87e-04	8.99e-06
1	77	-8.15e-03	-5.32e-03	-0.21	3.66e-04	1.11e-04	-9.17e-06
1	78	0.02	-8.07e-03	-0.14	2.82e-04	3.03e-04	9.08e-06
1	79	-0.02	-0.01	-0.17	2.76e-04	1.26e-04	-9.20e-06
1	80	-8.14e-03	-5.32e-03	-0.17	2.76e-04	1.26e-04	-9.16e-06
2	4	0.03	2.64e-03	-0.05	3.73e-04	4.42e-04	3.43e-05
2	6	9.93e-03	0.01	-0.06	3.68e-04	3.55e-04	2.43e-05
2	9	-4.64e-05	6.81e-05	-0.12	3.08e-04	2.18e-04	0.0
2	19	-0.07	9.74e-03	-0.19	9.69e-05	-4.59e-04	9.42e-06
2	23	-0.07	0.01	-0.19	9.69e-05	-4.59e-04	2.78e-06
2	36	0.02	-0.06	0.01	8.47e-04	2.89e-04	-6.18e-05
2	51	-0.02	-3.65e-03	-0.10	2.27e-04	1.38e-05	0.0
2	55	-0.02	-3.08e-03	-0.10	2.27e-04	1.38e-05	-4.92e-06
2	68	-2.82e-03	-0.02	-0.07	3.71e-04	1.57e-04	-6.63e-06
2	74	9.50e-03	7.75e-05	-0.08	3.85e-04	2.72e-04	1.22e-05
2	75	0.02	-7.66e-04	-0.07	3.60e-04	3.37e-04	1.89e-05
2	76	4.01e-03	5.49e-03	-0.08	3.57e-04	2.78e-04	1.21e-05
2	77	-5.36e-03	-5.45e-03	-0.10	3.48e-04	1.02e-04	-8.28e-06
2	78	0.02	-7.99e-03	-0.06	2.73e-04	2.97e-04	1.19e-05
2	80	-5.37e-03	-5.42e-03	-0.09	2.64e-04	1.21e-04	-8.50e-06
3	4	0.07	-0.01	-0.30	4.00e-04	4.66e-04	3.25e-05
3	5	0.06	-0.03	-0.39	5.51e-04	4.28e-04	1.57e-05
3	7	0.06	-0.01	-0.41	5.40e-04	4.94e-04	3.12e-05
3	10	-0.08	-0.04	-0.14	4.21e-04	-4.34e-04	-6.10e-05
3	26	-0.04	-0.09	-0.27	8.42e-04	-8.25e-06	-1.11e-04
3	28	-3.39e-03	-0.09	-0.33	8.59e-04	3.04e-04	-8.83e-05
3	42	-0.02	-0.01	-0.19	3.05e-04	3.20e-05	-2.66e-05
3	58	-0.01	-0.02	-0.22	3.83e-04	1.10e-04	-2.97e-05
3	60	-7.45e-03	-0.02	-0.23	3.86e-04	1.73e-04	-2.27e-05
3	74	0.03	-0.01	-0.29	4.11e-04	2.97e-04	1.02e-05
3	75	0.04	-0.01	-0.28	3.83e-04	3.58e-04	1.71e-05
3	76	0.04	-0.02	-0.27	3.80e-04	3.00e-04	1.03e-05
3	77	-8.24e-03	-8.13e-03	-0.24	3.71e-04	1.25e-04	-1.02e-05
3	78	0.02	-4.92e-03	-0.24	2.88e-04	3.11e-04	1.04e-05
3	79	-9.96e-05	-0.02	-0.21	2.79e-04	1.36e-04	-9.96e-06
3	80	-8.21e-03	-8.15e-03	-0.21	2.79e-04	1.36e-04	-9.99e-06
4	4	0.06	0.01	-0.19	3.73e-04	4.62e-04	2.89e-05
4	6	0.05	0.02	-0.17	3.70e-04	3.77e-04	2.00e-05
4	7	0.05	0.02	-0.25	4.93e-04	4.91e-04	2.73e-05
4	19	-0.07	0.01	-0.05	1.10e-04	-4.50e-04	4.98e-06
4	21	0.05	0.02	-0.21	1.46e-04	5.92e-04	3.32e-05
4	26	-0.01	-0.09	-0.02	8.40e-04	-2.02e-05	-1.06e-04
4	51	-0.02	-4.07e-03	-0.11	2.33e-04	2.71e-05	-1.35e-06
4	53	3.69e-03	-4.99e-03	-0.14	2.41e-04	2.39e-04	-7.41e-06
4	58	-5.59e-03	-0.02	-0.11	3.73e-04	1.06e-04	-2.87e-05
4	75	0.04	4.04e-03	-0.17	3.62e-04	3.55e-04	1.49e-05
4	76	0.03	8.44e-03	-0.16	3.60e-04	2.97e-04	8.92e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

4	77	-5.41e-03	-8.11e-03	-0.14	3.55e-04	1.22e-04	-9.26e-06
4	78	0.02	-5.08e-03	-0.15	2.74e-04	3.08e-04	8.87e-06
4	80	-5.40e-03	-8.11e-03	-0.12	2.69e-04	1.34e-04	-9.24e-06
5	4	0.04	7.84e-03	-0.13	2.94e-04	4.48e-04	2.77e-05
5	6	0.04	0.02	-0.13	2.92e-04	3.63e-04	1.82e-05
5	7	0.04	0.01	-0.19	3.42e-04	4.67e-04	2.34e-05
5	19	-0.07	0.01	-0.11	6.22e-05	-4.40e-04	3.71e-06
5	26	-0.01	-0.08	-0.03	8.27e-04	-1.57e-05	-1.08e-04
5	33	3.78e-03	0.05	-0.17	-2.46e-04	2.47e-04	5.02e-05
5	51	-0.02	-3.90e-03	-0.11	1.84e-04	2.54e-05	-4.09e-06
5	58	-5.62e-03	-0.02	-0.09	3.27e-04	1.04e-04	-3.04e-05
5	65	-4.58e-03	2.86e-03	-0.12	1.13e-04	1.57e-04	3.61e-06
5	74	0.02	1.79e-03	-0.13	3.13e-04	2.82e-04	6.72e-06
5	75	0.03	2.00e-03	-0.13	2.93e-04	3.44e-04	1.34e-05
5	76	0.02	7.19e-03	-0.13	2.91e-04	2.87e-04	6.97e-06
5	77	-5.37e-03	-6.94e-03	-0.12	2.85e-04	1.16e-04	-1.21e-05
5	78	0.02	-6.30e-03	-0.11	2.26e-04	3.02e-04	7.80e-06
5	80	-5.38e-03	-6.93e-03	-0.11	2.20e-04	1.30e-04	-1.13e-05
6	4	0.06	2.91e-04	-0.24	3.87e-04	5.44e-04	3.43e-05
6	7	0.05	5.32e-03	-0.32	5.17e-04	6.40e-04	3.43e-05
6	8	-0.01	-0.01	-0.13	2.70e-04	9.84e-05	-1.25e-05
6	19	-0.07	0.01	-0.07	1.13e-04	-4.46e-04	5.98e-06
6	20	0.05	-0.03	-0.23	4.63e-04	6.61e-04	-6.02e-06
6	26	-0.03	-0.09	-0.13	8.30e-04	1.55e-05	-1.06e-04
6	51	-0.02	-4.10e-03	-0.14	2.38e-04	6.77e-05	0.0
6	52	2.77e-03	-0.01	-0.18	3.09e-04	2.89e-04	-1.46e-05
6	58	-9.29e-03	-0.02	-0.15	3.76e-04	1.50e-04	-2.64e-05
6	74	0.03	-4.63e-03	-0.22	3.99e-04	3.68e-04	1.31e-05
6	75	0.04	-3.59e-03	-0.22	3.72e-04	4.25e-04	1.93e-05
6	77	-6.61e-03	-8.08e-03	-0.18	3.62e-04	1.87e-04	-6.63e-06
6	78	0.02	-4.98e-03	-0.19	2.81e-04	3.57e-04	1.20e-05
6	80	-6.59e-03	-8.10e-03	-0.16	2.73e-04	1.78e-04	-7.39e-06
7	4	0.05	-3.78e-03	-0.16	3.60e-04	4.66e-04	0.0
7	7	0.04	1.44e-03	-0.24	4.79e-04	5.04e-04	0.0
7	8	-9.88e-03	-0.01	-0.11	2.47e-04	9.72e-05	0.0
7	19	-0.07	0.01	-0.12	1.06e-04	-3.94e-04	0.0
7	21	0.05	0.01	-0.15	1.49e-04	5.80e-04	0.0
7	26	-0.03	-0.08	-0.13	7.88e-04	1.24e-05	0.0
7	51	-0.02	-3.86e-03	-0.13	2.24e-04	5.10e-05	0.0
7	53	2.76e-03	-4.03e-03	-0.14	2.33e-04	2.51e-04	0.0
7	58	-9.24e-03	-0.02	-0.13	3.56e-04	1.27e-04	0.0
7	74	0.02	-5.95e-03	-0.17	3.73e-04	3.08e-04	0.0
7	75	0.03	-5.74e-03	-0.16	3.49e-04	3.64e-04	0.0
7	77	-6.55e-03	-6.89e-03	-0.16	3.38e-04	1.47e-04	0.0
7	78	0.02	-6.27e-03	-0.14	2.66e-04	3.15e-04	0.0
7	80	-6.55e-03	-6.89e-03	-0.13	2.58e-04	1.52e-04	0.0
8	4	0.05	-0.02	-0.24	4.73e-04	4.55e-04	3.42e-05
8	5	0.04	-0.03	-0.34	6.40e-04	4.17e-04	1.86e-05
8	7	0.05	-0.01	-0.35	6.77e-04	4.77e-04	3.45e-05
8	10	-0.08	-0.03	-0.19	4.68e-04	-4.26e-04	-5.92e-05
8	26	-0.04	-0.08	-0.28	9.00e-04	-1.15e-05	-1.06e-04
8	28	-3.10e-03	-0.07	-0.29	9.16e-04	2.95e-04	-8.34e-05
8	42	-0.02	-0.01	-0.19	3.51e-04	3.04e-05	-2.39e-05
8	58	-0.01	-0.02	-0.20	4.31e-04	1.07e-04	-2.70e-05
8	60	-7.38e-03	-0.02	-0.21	4.34e-04	1.69e-04	-2.02e-05
8	74	0.02	-0.02	-0.25	4.82e-04	2.89e-04	1.27e-05
8	75	0.03	-0.02	-0.24	4.48e-04	3.50e-04	1.90e-05
8	76	0.02	-0.02	-0.24	4.45e-04	2.93e-04	1.25e-05
8	77	-8.20e-03	-6.84e-03	-0.23	4.36e-04	1.21e-04	-7.15e-06
8	78	0.02	-6.25e-03	-0.20	3.33e-04	3.05e-04	1.17e-05
8	79	-6.56e-03	-0.02	-0.19	3.24e-04	1.33e-04	-7.87e-06
8	80	-8.18e-03	-6.87e-03	-0.19	3.24e-04	1.33e-04	-7.89e-06
9	3	0.03	-0.01	-0.16	5.32e-04	4.23e-04	2.30e-05
9	4	0.03	-9.11e-03	-0.10	3.80e-04	3.98e-04	3.00e-05
9	7	0.03	-3.52e-03	-0.18	5.07e-04	3.29e-04	2.50e-05
9	19	-0.07	0.01	-0.20	1.09e-04	-5.13e-04	3.88e-06
9	23	-0.07	0.01	-0.20	1.09e-04	-5.13e-04	-2.75e-06
9	36	0.01	-0.06	-0.09	8.40e-04	2.49e-04	-6.28e-05
9	51	-0.02	-3.54e-03	-0.13	2.34e-04	-3.55e-05	-3.34e-06
9	55	-0.02	-2.97e-03	-0.13	2.34e-04	-3.55e-05	-7.49e-06
9	68	-3.72e-03	-0.01	-0.11	3.75e-04	1.10e-04	-8.99e-06
9	74	0.01	-7.70e-03	-0.13	3.93e-04	2.14e-04	8.32e-06
9	75	0.02	-8.57e-03	-0.12	3.67e-04	2.91e-04	1.52e-05
9	77	-6.48e-03	-5.37e-03	-0.15	3.57e-04	3.52e-05	-1.13e-05
9	78	0.02	-8.01e-03	-0.10	2.77e-04	2.65e-04	9.33e-06
9	80	-6.50e-03	-5.36e-03	-0.12	2.70e-04	7.33e-05	-1.06e-05
10	4	0.05	-0.02	-0.20	4.46e-04	4.42e-04	2.54e-05
10	5	0.02	-0.04	-0.30	6.11e-04	4.01e-04	7.72e-06
10	7	0.04	-0.02	-0.31	6.33e-04	4.57e-04	1.38e-05
10	10	-0.08	-0.02	-0.23	4.65e-04	-4.39e-04	-6.41e-05
10	34	-0.04	-0.07	-0.28	8.87e-04	-2.66e-05	-8.68e-05
10	36	8.38e-04	-0.07	-0.26	8.98e-04	2.82e-04	-6.41e-05
10	42	-0.02	-8.01e-03	-0.19	3.40e-04	2.06e-05	-2.92e-05
10	66	-0.01	-0.02	-0.20	4.18e-04	9.65e-05	-1.82e-05
10	68	-5.02e-03	-0.02	-0.19	4.20e-04	1.59e-04	-1.13e-05
10	74	0.02	-0.02	-0.22	4.59e-04	2.75e-04	4.05e-06
10	75	0.03	-0.02	-0.21	4.25e-04	3.38e-04	1.12e-05
10	76	0.02	-0.02	-0.21	4.24e-04	2.81e-04	4.64e-06
10	77	-8.16e-03	-6.05e-03	-0.22	4.18e-04	1.08e-04	-1.50e-05
10	78	0.02	-7.14e-03	-0.17	3.18e-04	2.97e-04	6.50e-06
10	79	-0.01	-0.01	-0.18	3.12e-04	1.24e-04	-1.32e-05
10	80	-8.14e-03	-6.06e-03	-0.18	3.12e-04	1.24e-04	-1.32e-05
11	4	0.04	-0.01	-0.16	4.47e-04	3.76e-04	0.0
11	5	0.02	-0.02	-0.24	6.13e-04	3.25e-04	0.0
11	7	0.04	-8.80e-03	-0.25	6.16e-04	3.61e-04	0.0
11	10	-0.08	-0.02	-0.19	4.64e-04	-4.65e-04	0.0
11	34	-0.03	-0.07	-0.20	8.72e-04	-6.20e-05	0.0
11	36	5.93e-03	-0.07	-0.18	8.81e-04	2.41e-04	0.0
11	42	-0.02	-8.04e-03	-0.16	3.44e-04	-1.31e-05	0.0
11	66	-0.01	-0.02	-0.16	4.19e-04	6.09e-05	0.0
11	68	-4.37e-03	-0.02	-0.15	4.21e-04	1.23e-04	0.0

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

11	74	0.02	-0.01	-0.18	4.62e-04	2.15e-04	0.0
11	75	0.03	-0.01	-0.17	4.27e-04	2.83e-04	0.0
11	76	0.01	-0.02	-0.17	4.26e-04	2.26e-04	0.0
11	77	-7.31e-03	-6.08e-03	-0.18	4.24e-04	5.63e-05	0.0
11	78	0.02	-7.13e-03	-0.14	3.19e-04	2.59e-04	0.0
11	79	-9.93e-03	-0.01	-0.15	3.16e-04	8.91e-05	0.0
11	80	-7.31e-03	-6.08e-03	-0.15	3.16e-04	8.91e-05	0.0
12	4	0.04	-0.02	-0.13	3.91e-04	4.13e-04	3.47e-05
12	5	9.47e-03	-0.02	-0.22	5.43e-04	3.51e-04	2.10e-05
12	7	0.03	-0.01	-0.22	5.25e-04	3.67e-04	4.27e-05
12	10	-0.08	-0.02	-0.23	4.29e-04	-4.85e-04	-5.81e-05
12	14	-0.08	-0.02	-0.23	4.29e-04	-4.85e-04	-5.15e-05
12	36	6.01e-03	-0.06	-0.17	8.52e-04	2.51e-04	-5.77e-05
12	42	-0.02	-5.91e-03	-0.16	3.07e-04	-1.74e-05	-2.15e-05
12	46	-0.02	-6.48e-03	-0.16	3.07e-04	-1.74e-05	-1.73e-05
12	68	-4.35e-03	-0.01	-0.15	3.85e-04	1.23e-04	-3.30e-06
12	74	0.01	-0.01	-0.17	4.05e-04	2.33e-04	1.50e-05
12	75	0.02	-0.01	-0.15	3.77e-04	3.06e-04	2.03e-05
12	76	6.20e-03	-0.02	-0.16	3.75e-04	2.44e-04	1.44e-05
12	77	-7.28e-03	-5.33e-03	-0.18	3.70e-04	5.65e-05	-3.36e-06
12	78	0.02	-8.04e-03	-0.12	2.84e-04	2.76e-04	1.25e-05
12	79	-0.01	-9.29e-03	-0.14	2.79e-04	8.82e-05	-5.18e-06
12	80	-7.29e-03	-5.32e-03	-0.14	2.79e-04	8.83e-05	-5.18e-06
13	4	0.05	-0.01	-0.20	4.75e-04	4.65e-04	0.0
13	5	0.03	-0.02	-0.28	6.40e-04	4.36e-04	0.0
13	7	0.04	-6.31e-03	-0.29	6.49e-04	4.99e-04	0.0
13	10	-0.08	-0.03	-0.15	4.58e-04	-3.93e-04	0.0
13	26	-0.03	-0.08	-0.20	8.76e-04	9.86e-06	0.0
13	36	5.84e-03	-0.07	-0.21	8.93e-04	3.06e-04	0.0
13	42	-0.02	-0.01	-0.16	3.51e-04	4.81e-05	0.0
13	58	-0.01	-0.02	-0.17	4.27e-04	1.22e-04	0.0
13	68	-4.42e-03	-0.02	-0.17	4.31e-04	1.83e-04	0.0
13	74	0.02	-0.01	-0.21	4.83e-04	3.05e-04	0.0
13	75	0.03	-0.01	-0.20	4.49e-04	3.62e-04	0.0
13	76	0.02	-0.01	-0.20	4.46e-04	3.07e-04	0.0
13	77	-7.35e-03	-6.86e-03	-0.19	4.38e-04	1.41e-04	0.0
13	78	0.02	-6.26e-03	-0.17	3.34e-04	3.13e-04	0.0
13	79	-5.72e-03	-0.01	-0.16	3.26e-04	1.48e-04	0.0
13	80	-7.34e-03	-6.88e-03	-0.16	3.26e-04	1.48e-04	0.0
14	3	0.04	-0.01	-0.19	5.12e-04	3.83e-04	0.0
14	4	0.04	-6.43e-03	-0.13	3.64e-04	3.53e-04	0.0
14	7	0.03	-1.05e-03	-0.20	4.83e-04	3.28e-04	0.0
14	11	-0.07	0.01	-0.15	1.07e-04	-4.83e-04	0.0
14	19	-0.07	0.01	-0.15	1.07e-04	-4.83e-04	0.0
14	36	0.01	-0.07	-0.11	8.08e-04	2.41e-04	0.0
14	43	-0.02	-2.97e-03	-0.13	2.26e-04	-2.71e-05	0.0
14	51	-0.02	-3.70e-03	-0.13	2.26e-04	-2.71e-05	0.0
14	68	-3.73e-03	-0.02	-0.12	3.61e-04	1.12e-04	0.0
14	74	0.02	-6.80e-03	-0.15	3.77e-04	1.94e-04	0.0
14	75	0.02	-7.14e-03	-0.14	3.52e-04	2.63e-04	0.0
14	77	-6.51e-03	-6.12e-03	-0.15	3.42e-04	3.85e-05	0.0
14	78	0.02	-7.12e-03	-0.12	2.68e-04	2.45e-04	0.0
14	80	-6.52e-03	-6.11e-03	-0.12	2.60e-04	7.66e-05	0.0
15	4	0.04	5.28e-03	-0.09	3.17e-04	4.34e-04	3.70e-05
15	6	0.02	0.01	-0.09	3.12e-04	3.49e-04	2.76e-05
15	7	0.03	0.01	-0.15	3.81e-04	4.44e-04	4.48e-05
15	19	-0.07	0.01	-0.15	5.65e-05	-4.54e-04	9.67e-06
15	36	0.02	-0.07	-0.01	8.39e-04	2.89e-04	-6.09e-05
15	39	-0.03	0.05	-0.17	-2.50e-04	-7.30e-05	2.33e-05
15	51	-0.02	-3.75e-03	-0.11	1.90e-04	1.49e-05	1.99e-06
15	68	-2.81e-03	-0.02	-0.08	3.37e-04	1.58e-04	-3.43e-06
15	71	-8.52e-03	3.04e-03	-0.11	1.19e-04	8.42e-05	-2.96e-06
15	74	0.01	9.67e-04	-0.11	3.30e-04	2.69e-04	1.60e-05
15	75	0.02	6.57e-04	-0.10	3.10e-04	3.32e-04	2.17e-05
15	76	0.01	6.37e-03	-0.10	3.07e-04	2.75e-04	1.54e-05
15	77	-5.37e-03	-6.17e-03	-0.11	2.97e-04	1.02e-04	-3.44e-06
15	78	0.02	-7.10e-03	-0.09	2.38e-04	2.93e-04	1.37e-05
15	80	-5.38e-03	-6.15e-03	-0.10	2.28e-04	1.21e-04	-5.27e-06
16	4	0.03	-3.20e-03	-0.08	3.72e-04	4.20e-04	2.81e-05
16	7	0.02	2.45e-03	-0.15	4.90e-04	3.82e-04	1.34e-05
16	8	-8.61e-03	-8.21e-03	-0.09	2.57e-04	4.68e-05	-1.18e-05
16	19	-0.07	9.84e-03	-0.19	9.42e-05	-4.90e-04	3.86e-06
16	23	-0.07	0.01	-0.19	9.42e-05	-4.90e-04	-2.77e-06
16	36	0.02	-0.06	-0.04	8.39e-04	2.72e-04	-6.43e-05
16	51	-0.02	-3.61e-03	-0.12	2.25e-04	-1.32e-05	-5.96e-06
16	55	-0.02	-3.04e-03	-0.12	2.25e-04	-1.32e-05	-1.01e-05
16	68	-3.24e-03	-0.02	-0.09	3.68e-04	1.33e-04	-1.18e-05
16	74	0.01	-3.80e-03	-0.11	3.83e-04	2.42e-04	5.11e-06
16	75	0.02	-4.65e-03	-0.09	3.58e-04	3.13e-04	1.29e-05
16	77	-5.89e-03	-5.42e-03	-0.12	3.45e-04	6.62e-05	-1.56e-05
16	78	0.02	-7.98e-03	-0.08	2.72e-04	2.80e-04	7.83e-06
16	80	-5.91e-03	-5.40e-03	-0.10	2.62e-04	9.51e-05	-1.36e-05
17	4	0.04	-5.68e-04	-0.11	3.05e-04	3.87e-04	0.0
17	7	0.03	4.88e-03	-0.18	3.82e-04	3.74e-04	0.0
17	8	-8.83e-03	-9.30e-03	-0.09	1.98e-04	2.42e-05	0.0
17	19	-0.07	0.01	-0.15	4.86e-05	-4.72e-04	0.0
17	36	0.02	-0.07	-0.06	7.95e-04	2.68e-04	0.0
17	39	-0.03	0.05	-0.15	-2.48e-04	-9.76e-05	0.0
17	51	-0.02	-3.72e-03	-0.12	1.79e-04	-9.58e-06	0.0
17	68	-3.25e-03	-0.02	-0.10	3.22e-04	1.32e-04	0.0
17	71	-8.90e-03	3.05e-03	-0.12	1.10e-04	5.83e-05	0.0
17	74	0.02	-2.92e-03	-0.13	3.15e-04	2.26e-04	0.0
17	75	0.02	-3.24e-03	-0.12	2.98e-04	2.92e-04	0.0
17	77	-5.92e-03	-6.15e-03	-0.13	2.80e-04	6.56e-05	0.0
17	78	0.02	-7.11e-03	-0.10	2.30e-04	2.65e-04	0.0
17	80	-5.93e-03	-6.13e-03	-0.11	2.16e-04	9.53e-05	0.0
18	4	0.05	2.03e-03	-0.14	2.76e-04	4.55e-04	0.0
18	7	0.04	7.37e-03	-0.21	3.49e-04	4.85e-04	0.0
18	8	-9.00e-03	-0.01	-0.10	1.83e-04	8.33e-05	0.0
18	19	-0.07	0.01	-0.11	6.03e-05	-4.13e-04	0.0
18	26	-0.02	-0.08	-0.08	7.73e-04	-2.54e-06	0.0

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

18	33	7.13e-03	0.05	-0.15	-2.41e-04	2.55e-04	0.0
18	51	-0.02	-3.88e-03	-0.12	1.74e-04	3.90e-05	0.0
18	58	-7.42e-03	-0.02	-0.11	3.11e-04	1.15e-04	0.0
18	65	-4.20e-03	2.88e-03	-0.13	1.05e-04	1.68e-04	0.0
18	74	0.02	-2.08e-03	-0.15	2.94e-04	2.95e-04	0.0
18	75	0.03	-1.87e-03	-0.14	2.76e-04	3.53e-04	0.0
18	77	-5.96e-03	-6.91e-03	-0.14	2.67e-04	1.32e-04	0.0
18	78	0.02	-6.28e-03	-0.12	2.14e-04	3.07e-04	0.0
18	80	-5.96e-03	-6.91e-03	-0.12	2.08e-04	1.41e-04	0.0
19	3	0.16	-0.14	-0.20	5.62e-04	5.86e-04	0.0
19	7	0.15	-0.13	-0.21	5.47e-04	5.82e-04	0.0
19	20	0.20	-0.14	-0.11	4.71e-04	6.30e-04	0.0
19	23	-0.19	-0.02	-0.17	1.18e-04	-4.14e-04	0.0
19	36	0.08	-0.28	-0.12	8.56e-04	3.23e-04	0.0
19	52	0.06	-0.09	-0.13	3.18e-04	2.69e-04	0.0
19	55	-0.01	-0.06	-0.14	2.46e-04	5.77e-05	0.0
19	68	0.04	-0.11	-0.13	3.87e-04	1.99e-04	0.0
19	74	0.09	-0.11	-0.15	4.18e-04	3.54e-04	0.0
19	75	0.11	-0.10	-0.14	3.88e-04	4.08e-04	0.0
19	77	0.02	-0.10	-0.17	3.79e-04	1.77e-04	0.0
19	78	0.10	-0.08	-0.13	2.88e-04	3.37e-04	0.0
19	80	0.03	-0.07	-0.14	2.82e-04	1.64e-04	0.0
20	4	0.06	-7.22e-03	-0.27	4.03e-04	5.26e-04	2.66e-05
20	5	0.05	-0.02	-0.34	5.54e-04	4.96e-04	9.12e-06
20	7	0.06	-2.38e-03	-0.37	5.40e-04	6.03e-04	1.45e-05
20	10	-0.08	-0.04	-0.10	4.19e-04	-4.29e-04	-6.13e-05
20	12	0.05	-0.02	-0.27	4.75e-04	6.51e-04	1.19e-05
20	26	-0.03	-0.09	-0.20	8.39e-04	1.99e-05	-1.11e-04
20	42	-0.02	-0.01	-0.17	3.06e-04	6.22e-05	-2.92e-05
20	44	2.49e-03	-9.85e-03	-0.20	3.18e-04	2.79e-04	-6.16e-06
20	58	-0.01	-0.02	-0.19	3.83e-04	1.42e-04	-3.22e-05
20	74	0.03	-9.68e-03	-0.25	4.13e-04	3.52e-04	4.89e-06
20	75	0.04	-8.61e-03	-0.25	3.85e-04	4.09e-04	1.22e-05
20	76	0.04	-0.01	-0.24	3.82e-04	3.50e-04	5.54e-06
20	77	-7.40e-03	-8.12e-03	-0.21	3.73e-04	1.73e-04	-1.47e-05
20	78	0.02	-4.93e-03	-0.21	2.90e-04	3.46e-04	7.19e-06
20	79	7.28e-04	-0.01	-0.18	2.81e-04	1.69e-04	-1.29e-05
20	80	-7.38e-03	-8.14e-03	-0.18	2.81e-04	1.69e-04	-1.29e-05
21	4	0.06	5.98e-03	-0.21	3.70e-04	5.08e-04	3.68e-05
21	7	0.05	0.01	-0.29	4.92e-04	5.75e-04	4.66e-05
21	8	-9.33e-03	-0.01	-0.11	2.61e-04	8.35e-05	-1.58e-05
21	19	-0.07	0.01	-0.06	1.12e-04	-4.49e-04	6.25e-06
21	21	0.05	0.02	-0.22	1.43e-04	6.25e-04	3.80e-05
21	26	-0.02	-0.09	-0.08	8.31e-04	-5.67e-06	-1.05e-04
21	51	-0.02	-4.07e-03	-0.13	2.31e-04	4.96e-05	2.61e-06
21	53	3.17e-03	-4.97e-03	-0.16	2.38e-04	2.65e-04	-2.92e-06
21	58	-7.47e-03	-0.02	-0.13	3.70e-04	1.29e-04	-2.42e-05
21	75	0.04	2.06e-04	-0.20	3.59e-04	3.93e-04	2.17e-05
21	76	0.03	1.99e-03	-0.19	3.57e-04	3.34e-04	1.55e-05
21	77	-6.03e-03	-8.09e-03	-0.16	3.52e-04	1.57e-04	-2.92e-06
21	78	0.02	-5.04e-03	-0.17	2.72e-04	3.36e-04	1.35e-05
21	80	-6.02e-03	-8.10e-03	-0.14	2.66e-04	1.58e-04	-4.94e-06
22	4	0.06	-9.31e-03	-0.23	4.46e-04	5.39e-04	0.0
22	5	0.04	-0.02	-0.31	6.04e-04	5.17e-04	0.0
22	7	0.05	-4.33e-03	-0.32	6.06e-04	6.04e-04	0.0
22	10	-0.08	-0.03	-0.13	4.33e-04	-3.84e-04	0.0
22	26	-0.03	-0.08	-0.20	8.57e-04	4.53e-05	0.0
22	28	4.01e-03	-0.08	-0.23	8.77e-04	3.57e-04	0.0
22	42	-0.02	-0.01	-0.16	3.30e-04	7.84e-05	0.0
22	44	2.51e-03	-9.64e-03	-0.18	3.43e-04	2.90e-04	0.0
22	58	-0.01	-0.02	-0.18	4.07e-04	1.57e-04	0.0
22	74	0.03	-0.01	-0.23	4.54e-04	3.68e-04	0.0
22	75	0.03	-9.71e-03	-0.22	4.23e-04	4.23e-04	0.0
22	76	0.03	-0.01	-0.22	4.19e-04	3.65e-04	0.0
22	77	-7.38e-03	-7.48e-03	-0.20	4.09e-04	1.92e-04	0.0
22	78	0.02	-5.60e-03	-0.19	3.15e-04	3.55e-04	0.0
22	79	-2.50e-03	-0.01	-0.17	3.05e-04	1.82e-04	0.0
22	80	-7.36e-03	-7.49e-03	-0.17	3.05e-04	1.82e-04	0.0
23	4	0.06	-0.02	-0.27	4.41e-04	4.68e-04	3.97e-05
23	5	0.05	-0.03	-0.36	6.00e-04	4.32e-04	2.47e-05
23	7	0.05	-0.01	-0.38	6.16e-04	4.96e-04	4.85e-05
23	10	-0.08	-0.03	-0.17	4.42e-04	-4.24e-04	-5.83e-05
23	26	-0.04	-0.08	-0.27	8.72e-04	-1.60e-06	-1.06e-04
23	28	-3.32e-03	-0.08	-0.31	8.90e-04	3.08e-04	-8.28e-05
23	42	-0.02	-0.01	-0.19	3.29e-04	3.61e-05	-2.17e-05
23	58	-0.01	-0.02	-0.21	4.08e-04	1.14e-04	-2.48e-05
23	60	-7.43e-03	-0.02	-0.22	4.12e-04	1.77e-04	-1.78e-05
23	74	0.03	-0.02	-0.27	4.49e-04	3.00e-04	1.75e-05
23	75	0.04	-0.01	-0.26	4.19e-04	3.61e-04	2.35e-05
23	76	0.03	-0.02	-0.25	4.15e-04	3.04e-04	1.68e-05
23	77	-8.23e-03	-7.46e-03	-0.24	4.05e-04	1.30e-04	-3.24e-06
23	78	0.02	-5.57e-03	-0.22	3.13e-04	3.13e-04	1.48e-05
23	79	-3.34e-03	-0.02	-0.20	3.03e-04	1.40e-04	-5.24e-06
23	80	-8.20e-03	-7.48e-03	-0.20	3.03e-04	1.40e-04	-5.25e-06
24	4	0.05	-1.76e-03	-0.20	3.73e-04	5.60e-04	0.0
24	7	0.05	3.34e-03	-0.28	4.98e-04	6.34e-04	0.0
24	8	-0.01	-0.01	-0.12	2.59e-04	1.55e-04	0.0
24	19	-0.07	0.01	-0.09	1.11e-04	-3.91e-04	0.0
24	25	0.05	0.01	-0.19	1.55e-04	6.50e-04	0.0
24	26	-0.03	-0.08	-0.13	8.07e-04	3.96e-05	0.0
24	51	-0.02	-3.99e-03	-0.14	2.32e-04	8.74e-05	0.0
24	57	2.77e-03	-4.89e-03	-0.16	2.41e-04	2.99e-04	0.0
24	58	-9.26e-03	-0.02	-0.14	3.66e-04	1.67e-04	0.0
24	74	0.02	-5.30e-03	-0.19	3.87e-04	3.88e-04	0.0
24	75	0.03	-4.68e-03	-0.19	3.61e-04	4.41e-04	0.0
24	77	-6.58e-03	-7.49e-03	-0.17	3.51e-04	2.09e-04	0.0
24	78	0.02	-5.63e-03	-0.16	2.74e-04	3.68e-04	0.0
24	80	-6.57e-03	-7.50e-03	-0.15	2.67e-04	1.95e-04	0.0
25	4	0.05	4.01e-03	-0.18	3.13e-04	5.20e-04	0.0
25	7	0.05	9.19e-03	-0.25	4.06e-04	5.77e-04	0.0
25	8	-9.12e-03	-0.01	-0.10	2.20e-04	1.20e-04	0.0

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

25	19	-0.07	0.01	-0.09	9.28e-05	-4.08e-04	0.0
25	21	0.05	0.01	-0.18	1.07e-04	6.28e-04	0.0
25	26	-0.02	-0.08	-0.08	8.01e-04	6.66e-06	0.0
25	51	-0.02	-3.99e-03	-0.12	2.01e-04	6.50e-05	0.0
25	53	3.21e-03	-4.51e-03	-0.14	2.04e-04	2.76e-04	0.0
25	58	-7.43e-03	-0.02	-0.12	3.38e-04	1.42e-04	0.0
25	74	0.02	-1.45e-03	-0.17	3.33e-04	3.49e-04	0.0
25	75	0.03	-8.30e-04	-0.17	3.10e-04	4.06e-04	0.0
25	77	-5.99e-03	-7.51e-03	-0.15	3.05e-04	1.75e-04	0.0
25	78	0.02	-5.66e-03	-0.15	2.38e-04	3.45e-04	0.0
25	80	-5.98e-03	-7.51e-03	-0.13	2.34e-04	1.71e-04	0.0
26	4	0.05	9.79e-03	-0.16	3.28e-04	4.64e-04	2.24e-05
26	6	0.05	0.02	-0.15	3.26e-04	3.79e-04	1.34e-05
26	7	0.04	0.02	-0.22	4.07e-04	4.91e-04	9.13e-06
26	19	-0.07	0.01	-0.08	8.96e-05	-4.39e-04	3.15e-06
26	26	-0.01	-0.08	-0.03	8.36e-04	-1.75e-05	-1.08e-04
26	33	3.59e-03	0.06	-0.19	-2.21e-04	2.61e-04	4.99e-05
26	51	-0.02	-4.01e-03	-0.11	2.08e-04	3.16e-05	-6.00e-06
26	58	-5.60e-03	-0.02	-0.10	3.49e-04	1.09e-04	-3.30e-05
26	65	-4.63e-03	3.24e-03	-0.13	1.36e-04	1.66e-04	1.50e-06
26	75	0.03	3.01e-03	-0.15	3.23e-04	3.57e-04	9.13e-06
26	76	0.03	7.80e-03	-0.14	3.22e-04	3.00e-04	3.01e-06
26	77	-5.39e-03	-7.55e-03	-0.13	3.18e-04	1.26e-04	-1.58e-05
26	78	0.02	-5.70e-03	-0.13	2.46e-04	3.11e-04	4.88e-06
26	80	-5.39e-03	-7.54e-03	-0.12	2.42e-04	1.38e-04	-1.37e-05
27	4	0.06	-0.04	-0.16	3.88e-04	4.56e-04	2.13e-05
27	5	0.03	-0.06	-0.26	5.39e-04	4.13e-04	7.89e-06
27	7	0.05	-0.05	-0.26	5.23e-04	4.67e-04	2.18e-05
27	10	-0.10	-0.04	-0.27	4.26e-04	-4.43e-04	-6.15e-05
27	34	-0.04	-0.10	-0.28	8.44e-04	-2.48e-05	-8.30e-05
27	36	0.02	-0.11	-0.24	8.55e-04	2.89e-04	-6.25e-05
27	42	-0.02	-0.02	-0.19	3.03e-04	2.21e-05	-2.52e-05
27	66	-6.84e-03	-0.03	-0.19	3.80e-04	9.91e-05	-1.42e-05
27	68	3.10e-03	-0.03	-0.18	3.82e-04	1.63e-04	-7.26e-06
27	74	0.03	-0.04	-0.20	4.01e-04	2.84e-04	5.23e-06
27	75	0.04	-0.04	-0.18	3.74e-04	3.49e-04	9.98e-06
27	76	0.02	-0.04	-0.18	3.72e-04	2.89e-04	5.21e-06
27	77	-2.58e-03	-0.02	-0.21	3.65e-04	1.12e-04	-9.01e-06
27	78	0.04	-0.02	-0.14	2.82e-04	3.05e-04	5.22e-06
27	79	-8.69e-03	-0.03	-0.16	2.75e-04	1.27e-04	-9.05e-06
27	80	-1.81e-03	-0.02	-0.17	2.75e-04	1.27e-04	-9.03e-06
28	4	0.06	-0.04	-0.13	0.0	4.69e-04	3.65e-05
28	5	0.03	-0.05	-0.21	0.0	4.14e-04	2.89e-05
28	7	0.05	-0.04	-0.22	0.0	4.39e-04	6.68e-05
28	10	-0.10	-0.04	-0.23	0.0	-4.56e-04	-4.91e-05
28	14	-0.10	-0.04	-0.23	0.0	-4.56e-04	-4.24e-05
28	36	0.02	-0.11	-0.17	0.0	2.89e-04	-5.29e-05
28	42	-0.02	-0.02	-0.16	0.0	1.16e-05	-1.31e-05
28	46	-0.02	-0.02	-0.16	0.0	1.16e-05	-8.93e-06
28	68	2.68e-03	-0.03	-0.15	0.0	1.54e-04	4.51e-06
28	74	0.02	-0.03	-0.16	0.0	2.83e-04	2.22e-05
28	75	0.04	-0.03	-0.14	0.0	3.54e-04	2.44e-05
28	76	0.02	-0.03	-0.15	0.0	2.90e-04	2.04e-05
28	77	-3.30e-03	-0.02	-0.18	0.0	9.79e-05	8.35e-06
28	78	0.03	-0.02	-0.12	0.0	3.09e-04	1.49e-05
28	80	-2.07e-03	-0.02	-0.14	0.0	1.18e-04	2.82e-06
29	4	0.08	-0.06	-0.16	3.84e-04	4.58e-04	1.13e-05
29	5	0.05	-0.09	-0.25	5.33e-04	4.17e-04	0.0
29	7	0.08	-0.07	-0.26	5.12e-04	4.76e-04	1.44e-05
29	10	-0.13	-0.06	-0.27	4.21e-04	-4.38e-04	-5.97e-05
29	34	-0.04	-0.14	-0.28	8.39e-04	-1.93e-05	-8.44e-05
29	36	0.03	-0.15	-0.24	8.52e-04	2.93e-04	-6.75e-05
29	45	0.03	-0.03	-0.15	2.45e-04	2.35e-04	6.83e-06
29	66	-1.75e-03	-0.05	-0.19	3.76e-04	1.03e-04	-1.44e-05
29	68	0.01	-0.05	-0.18	3.79e-04	1.66e-04	-7.92e-06
29	74	0.04	-0.06	-0.20	3.97e-04	2.88e-04	0.0
29	75	0.06	-0.06	-0.17	3.70e-04	3.51e-04	3.36e-06
29	76	0.04	-0.06	-0.18	3.67e-04	2.92e-04	0.0
29	77	3.19e-03	-0.04	-0.21	3.60e-04	1.16e-04	-8.84e-06
29	78	0.05	-0.04	-0.14	2.79e-04	3.06e-04	0.0
29	80	4.66e-03	-0.03	-0.17	2.72e-04	1.30e-04	-8.89e-06
30	4	0.08	-0.06	-0.13	0.0	4.69e-04	3.10e-05
30	5	0.05	-0.08	-0.21	0.0	4.24e-04	2.78e-05
30	7	0.07	-0.06	-0.22	0.0	4.78e-04	7.77e-05
30	10	-0.12	-0.06	-0.23	0.0	-4.42e-04	-4.43e-05
30	14	-0.12	-0.06	-0.23	0.0	-4.42e-04	-3.76e-05
30	36	0.03	-0.15	-0.17	0.0	2.98e-04	-5.27e-05
30	45	0.03	-0.03	-0.13	0.0	2.36e-04	2.13e-05
30	46	-0.02	-0.04	-0.16	0.0	2.50e-05	-5.41e-06
30	68	0.01	-0.05	-0.15	0.0	1.67e-04	7.38e-06
30	74	0.04	-0.05	-0.16	0.0	2.93e-04	2.23e-05
30	75	0.06	-0.05	-0.14	0.0	3.58e-04	2.20e-05
30	76	0.03	-0.05	-0.15	0.0	2.97e-04	1.98e-05
30	77	2.16e-03	-0.04	-0.18	0.0	1.15e-04	1.33e-05
30	78	0.05	-0.04	-0.12	0.0	3.13e-04	1.24e-05
30	80	4.22e-03	-0.03	-0.14	0.0	1.30e-04	5.84e-06
31	3	0.11	-0.11	-0.24	5.33e-04	5.02e-04	3.82e-06
31	5	0.07	-0.12	-0.24	5.29e-04	4.16e-04	0.0
31	7	0.10	-0.10	-0.26	5.04e-04	4.80e-04	1.35e-05
31	13	0.15	-0.02	-0.09	1.51e-04	5.87e-04	4.41e-05
31	34	-0.04	-0.19	-0.28	8.37e-04	-1.75e-05	-8.55e-05
31	36	0.04	-0.19	-0.24	8.50e-04	2.93e-04	-6.95e-05
31	45	0.04	-0.04	-0.15	2.44e-04	2.36e-04	6.53e-06
31	66	3.43e-03	-0.07	-0.19	3.75e-04	1.04e-04	-1.47e-05
31	68	0.02	-0.07	-0.18	3.78e-04	1.68e-04	-8.38e-06
31	74	0.06	-0.08	-0.19	3.94e-04	2.88e-04	0.0
31	75	0.07	-0.07	-0.17	3.67e-04	3.50e-04	2.57e-06
31	76	0.05	-0.08	-0.17	3.65e-04	2.92e-04	0.0
31	77	9.06e-03	-0.06	-0.21	3.58e-04	1.19e-04	-8.90e-06
31	78	0.07	-0.05	-0.14	2.78e-04	3.05e-04	0.0
31	80	0.01	-0.05	-0.17	2.71e-04	1.32e-04	-8.95e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

32	3	0.11	-0.10	-0.20	0.0	4.99e-04	2.91e-05
32	5	0.07	-0.10	-0.20	0.0	4.15e-04	2.61e-05
32	7	0.10	-0.09	-0.21	0.0	4.94e-04	7.36e-05
32	13	0.15	-0.02	-0.07	0.0	5.84e-04	4.69e-05
32	14	-0.14	-0.08	-0.23	0.0	-4.34e-04	-3.75e-05
32	36	0.05	-0.19	-0.17	0.0	2.96e-04	-5.43e-05
32	45	0.04	-0.04	-0.13	0.0	2.40e-04	1.97e-05
32	46	-0.02	-0.05	-0.16	0.0	3.11e-05	-6.40e-06
32	68	0.02	-0.07	-0.15	0.0	1.72e-04	6.02e-06
32	74	0.05	-0.07	-0.16	0.0	2.88e-04	2.10e-05
32	75	0.07	-0.07	-0.14	0.0	3.48e-04	2.05e-05
32	77	8.15e-03	-0.06	-0.18	0.0	1.23e-04	1.23e-05
32	78	0.07	-0.05	-0.12	0.0	3.05e-04	1.07e-05
32	80	0.01	-0.05	-0.14	0.0	1.36e-04	4.58e-06
33	3	0.13	-0.14	-0.24	5.26e-04	5.04e-04	1.15e-05
33	5	0.09	-0.14	-0.24	5.23e-04	4.19e-04	5.33e-06
33	7	0.13	-0.12	-0.25	4.95e-04	4.85e-04	1.92e-05
33	13	0.18	-0.03	-0.09	1.49e-04	5.86e-04	4.86e-05
33	34	-0.04	-0.23	-0.28	8.35e-04	-1.64e-05	-8.62e-05
33	36	0.06	-0.23	-0.24	8.47e-04	2.93e-04	-6.85e-05
33	45	0.05	-0.05	-0.15	2.42e-04	2.38e-04	6.40e-06
33	66	8.65e-03	-0.09	-0.19	3.73e-04	1.06e-04	-1.48e-05
33	68	0.03	-0.09	-0.18	3.75e-04	1.69e-04	-8.49e-06
33	74	0.07	-0.10	-0.19	3.89e-04	2.90e-04	3.51e-06
33	75	0.09	-0.09	-0.17	3.63e-04	3.51e-04	7.69e-06
33	76	0.07	-0.10	-0.17	3.61e-04	2.94e-04	3.51e-06
33	77	0.02	-0.08	-0.21	3.54e-04	1.22e-04	-9.05e-06
33	78	0.08	-0.06	-0.14	2.75e-04	3.05e-04	3.46e-06
33	80	0.02	-0.06	-0.17	2.69e-04	1.34e-04	-9.09e-06
34	3	0.13	-0.13	-0.19	0.0	4.98e-04	3.07e-05
34	5	0.09	-0.13	-0.19	0.0	4.19e-04	2.53e-05
34	7	0.12	-0.11	-0.21	0.0	5.13e-04	5.92e-05
34	13	0.17	-0.03	-0.07	0.0	5.73e-04	5.13e-05
34	14	-0.17	-0.10	-0.23	0.0	-4.25e-04	-4.13e-05
34	36	0.06	-0.23	-0.17	0.0	2.97e-04	-5.69e-05
34	46	-0.01	-0.07	-0.16	0.0	3.88e-05	-1.07e-05
34	48	0.05	-0.07	-0.13	0.0	2.49e-04	1.04e-05
34	68	0.03	-0.09	-0.15	0.0	1.78e-04	1.75e-06
34	74	0.07	-0.09	-0.16	0.0	2.93e-04	1.95e-05
34	75	0.09	-0.09	-0.14	0.0	3.48e-04	2.11e-05
34	77	0.01	-0.08	-0.18	0.0	1.36e-04	6.52e-06
34	78	0.08	-0.06	-0.12	0.0	3.02e-04	1.13e-05
34	80	0.02	-0.06	-0.14	0.0	1.43e-04	0.0
35	3	0.16	-0.16	-0.23	5.21e-04	5.09e-04	1.88e-05
35	5	0.11	-0.17	-0.23	5.18e-04	4.25e-04	1.08e-05
35	7	0.15	-0.15	-0.25	4.88e-04	4.92e-04	2.47e-05
35	13	0.21	-0.03	-0.09	1.47e-04	5.87e-04	5.30e-05
35	34	-0.05	-0.27	-0.28	8.33e-04	-1.61e-05	-8.66e-05
35	36	0.07	-0.28	-0.24	8.44e-04	2.93e-04	-6.71e-05
35	45	0.06	-0.07	-0.15	2.39e-04	2.39e-04	6.40e-06
35	66	0.01	-0.11	-0.19	3.71e-04	1.08e-04	-1.48e-05
35	68	0.04	-0.11	-0.18	3.73e-04	1.71e-04	-8.40e-06
35	74	0.08	-0.12	-0.19	3.85e-04	2.95e-04	7.14e-06
35	75	0.11	-0.11	-0.16	3.59e-04	3.55e-04	1.26e-05
35	77	0.02	-0.10	-0.21	3.51e-04	1.26e-04	-9.16e-06
35	78	0.10	-0.08	-0.14	2.74e-04	3.07e-04	7.10e-06
35	80	0.02	-0.07	-0.17	2.67e-04	1.35e-04	-9.18e-06
36	3	0.16	-0.15	-0.19	5.22e-04	5.50e-04	2.64e-05
36	5	0.11	-0.16	-0.18	5.18e-04	4.71e-04	1.84e-05
36	7	0.15	-0.14	-0.20	4.92e-04	5.68e-04	3.81e-05
36	14	-0.19	-0.12	-0.23	4.16e-04	-4.08e-04	-4.79e-05
36	16	0.20	-0.15	-0.10	4.56e-04	6.05e-04	1.81e-05
36	36	0.08	-0.28	-0.17	8.42e-04	3.13e-04	-6.11e-05
36	46	-0.01	-0.08	-0.16	2.94e-04	5.52e-05	-1.74e-05
36	48	0.06	-0.09	-0.13	3.02e-04	2.64e-04	4.31e-06
36	68	0.04	-0.11	-0.15	3.73e-04	1.94e-04	-4.60e-06
36	74	0.08	-0.11	-0.15	3.85e-04	3.33e-04	1.31e-05
36	75	0.11	-0.11	-0.13	3.60e-04	3.84e-04	1.78e-05
36	77	0.02	-0.10	-0.18	3.50e-04	1.67e-04	-3.81e-06
36	78	0.10	-0.08	-0.12	2.74e-04	3.21e-04	1.02e-05
36	80	0.03	-0.07	-0.14	2.67e-04	1.59e-04	-5.96e-06
37	3	0.18	-0.14	-0.25	0.0	4.77e-04	4.78e-05
37	7	0.17	-0.12	-0.27	0.0	4.23e-04	6.62e-05
37	20	0.20	-0.14	-0.20	0.0	5.83e-04	3.29e-06
37	21	0.20	-0.02	-0.22	0.0	5.72e-04	4.69e-05
37	32	0.09	-0.30	-0.13	0.0	2.75e-04	-8.37e-05
37	52	0.06	-0.09	-0.16	0.0	2.23e-04	-7.59e-06
37	53	0.06	-0.07	-0.16	0.0	2.21e-04	1.89e-06
37	64	0.04	-0.12	-0.14	0.0	1.53e-04	-1.76e-05
37	74	0.10	-0.10	-0.18	0.0	2.66e-04	2.79e-05
37	75	0.12	-0.09	-0.18	0.0	3.32e-04	3.25e-05
37	77	0.02	-0.10	-0.16	0.0	9.22e-05	5.49e-06
37	78	0.09	-0.08	-0.17	0.0	2.91e-04	1.92e-05
37	80	0.03	-0.08	-0.14	0.0	1.18e-04	-1.37e-06
38	3	0.18	-0.15	-0.31	4.88e-04	4.04e-04	0.0
38	5	0.15	-0.15	-0.29	4.85e-04	3.18e-04	0.0
38	7	0.17	-0.13	-0.32	4.48e-04	3.49e-04	0.0
38	16	0.20	-0.14	-0.24	4.44e-04	5.62e-04	0.0
38	28	0.08	-0.29	-0.24	8.26e-04	2.61e-04	0.0
38	32	0.08	-0.29	-0.24	8.26e-04	2.61e-04	0.0
38	44	0.06	-0.09	-0.19	2.88e-04	2.01e-04	0.0
38	48	0.06	-0.09	-0.19	2.88e-04	2.01e-04	0.0
38	64	0.04	-0.11	-0.19	3.58e-04	1.31e-04	0.0
38	74	0.10	-0.11	-0.23	3.58e-04	2.10e-04	0.0
38	75	0.12	-0.10	-0.22	3.36e-04	2.82e-04	0.0
38	77	0.02	-0.10	-0.21	3.24e-04	5.13e-05	0.0
38	78	0.10	-0.08	-0.19	2.60e-04	2.68e-04	0.0
38	80	0.03	-0.08	-0.18	2.52e-04	9.50e-05	0.0
39	3	0.05	-0.04	-0.16	0.0	5.08e-04	2.11e-05
39	4	0.06	-0.03	-0.10	0.0	4.70e-04	2.90e-05
39	7	0.04	-0.03	-0.18	0.0	4.23e-04	1.82e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

39	19	-0.10	4.70e-03	-0.20	0.0	-4.75e-04	1.54e-06
39	23	-0.10	5.62e-03	-0.20	0.0	-4.75e-04	-5.09e-06
39	36	0.02	-0.11	-0.10	0.0	2.85e-04	-6.51e-05
39	51	-0.02	-0.02	-0.14	0.0	3.70e-06	-5.72e-06
39	55	-0.02	-0.01	-0.14	0.0	3.70e-06	-9.86e-06
39	68	2.90e-03	-0.03	-0.12	0.0	1.49e-04	-1.16e-05
39	74	0.02	-0.03	-0.13	0.0	2.79e-04	5.98e-06
39	75	0.04	-0.03	-0.11	0.0	3.52e-04	1.37e-05
39	77	-3.15e-03	-0.02	-0.15	0.0	9.04e-05	-1.48e-05
39	78	0.03	-0.02	-0.10	0.0	3.09e-04	8.41e-06
39	80	-1.72e-03	-0.02	-0.12	0.0	1.13e-04	-1.29e-05
40	3	0.08	-0.07	-0.16	0.0	5.16e-04	2.34e-05
40	4	0.08	-0.05	-0.09	0.0	4.71e-04	3.15e-05
40	7	0.07	-0.05	-0.17	0.0	4.75e-04	1.57e-05
40	19	-0.12	-7.15e-04	-0.20	0.0	-4.57e-04	0.0
40	23	-0.12	2.06e-04	-0.20	0.0	-4.57e-04	-6.29e-06
40	36	0.04	-0.15	-0.10	0.0	2.97e-04	-6.32e-05
40	52	0.02	-0.04	-0.11	0.0	2.38e-04	-2.05e-05
40	55	-0.02	-0.03	-0.14	0.0	2.12e-05	-1.05e-05
40	68	0.01	-0.05	-0.12	0.0	1.66e-04	-1.18e-05
40	74	0.04	-0.05	-0.13	0.0	2.92e-04	6.82e-06
40	75	0.05	-0.05	-0.11	0.0	3.59e-04	1.52e-05
40	77	2.11e-03	-0.04	-0.15	0.0	1.14e-04	-1.55e-05
40	78	0.05	-0.04	-0.10	0.0	3.14e-04	9.58e-06
40	80	4.44e-03	-0.03	-0.12	0.0	1.30e-04	-1.34e-05
41	3	0.10	-0.09	-0.15	0.0	4.98e-04	2.52e-05
41	7	0.09	-0.08	-0.17	0.0	5.00e-04	1.80e-05
41	20	0.14	-0.09	-0.06	0.0	5.96e-04	-3.93e-06
41	23	-0.14	-5.25e-03	-0.20	0.0	-4.47e-04	-5.98e-06
41	36	0.05	-0.19	-0.10	0.0	2.98e-04	-6.18e-05
41	52	0.04	-0.05	-0.11	0.0	2.45e-04	-1.95e-05
41	55	-0.01	-0.04	-0.14	0.0	2.99e-05	-9.67e-06
41	68	0.02	-0.07	-0.12	0.0	1.74e-04	-1.08e-05
41	74	0.05	-0.07	-0.13	0.0	2.88e-04	8.21e-06
41	75	0.07	-0.06	-0.11	0.0	3.48e-04	1.65e-05
41	77	8.09e-03	-0.06	-0.15	0.0	1.25e-04	-1.43e-05
41	78	0.07	-0.05	-0.10	0.0	3.05e-04	1.06e-05
41	80	0.01	-0.05	-0.12	0.0	1.37e-04	-1.25e-05
42	3	0.13	-0.12	-0.15	0.0	4.98e-04	2.61e-05
42	7	0.12	-0.11	-0.16	0.0	5.26e-04	2.40e-05
42	20	0.17	-0.12	-0.06	0.0	5.82e-04	-4.99e-06
42	23	-0.16	-0.01	-0.20	0.0	-4.34e-04	-4.27e-06
42	36	0.07	-0.23	-0.10	0.0	3.01e-04	-6.19e-05
42	52	0.05	-0.07	-0.11	0.0	2.53e-04	-1.78e-05
42	55	-0.01	-0.05	-0.14	0.0	4.04e-05	-7.90e-06
42	68	0.03	-0.09	-0.12	0.0	1.83e-04	-9.11e-06
42	74	0.07	-0.09	-0.12	0.0	2.95e-04	9.69e-06
42	75	0.09	-0.08	-0.11	0.0	3.48e-04	1.72e-05
42	77	0.01	-0.08	-0.15	0.0	1.42e-04	-1.17e-05
42	78	0.08	-0.06	-0.10	0.0	3.01e-04	1.09e-05
42	80	0.02	-0.06	-0.12	0.0	1.47e-04	-1.08e-05
43	3	0.15	-0.15	-0.14	5.39e-04	5.65e-04	2.93e-05
43	9	0.06	-0.08	-0.16	3.27e-04	3.24e-04	0.0
43	20	0.20	-0.14	-0.06	4.63e-04	6.08e-04	-5.41e-06
43	23	-0.19	-0.02	-0.20	1.10e-04	-4.12e-04	-1.74e-06
43	36	0.08	-0.28	-0.10	8.48e-04	3.21e-04	-6.16e-05
43	52	0.06	-0.08	-0.11	3.09e-04	2.73e-04	-1.55e-05
43	55	-0.01	-0.06	-0.14	2.37e-04	6.12e-05	-5.38e-06
43	68	0.04	-0.11	-0.12	3.79e-04	2.03e-04	-6.81e-06
43	74	0.08	-0.11	-0.12	3.99e-04	3.46e-04	1.31e-05
43	75	0.11	-0.10	-0.10	3.71e-04	3.94e-04	1.96e-05
43	77	0.02	-0.10	-0.15	3.62e-04	1.82e-04	-7.53e-06
43	78	0.10	-0.08	-0.10	2.80e-04	3.26e-04	1.19e-05
43	80	0.03	-0.07	-0.12	2.73e-04	1.67e-04	-8.34e-06
44	3	0.18	-0.16	-0.35	4.82e-04	4.83e-04	2.38e-05
44	5	0.15	-0.17	-0.33	4.78e-04	3.97e-04	1.44e-05
44	7	0.17	-0.14	-0.36	4.28e-04	4.50e-04	3.18e-05
44	13	0.21	-0.02	-0.22	1.39e-04	5.78e-04	5.35e-05
44	28	0.07	-0.29	-0.31	8.27e-04	2.90e-04	-8.09e-05
44	32	0.07	-0.29	-0.31	8.27e-04	2.90e-04	-8.76e-05
44	45	0.06	-0.06	-0.20	2.24e-04	2.28e-04	6.29e-06
44	60	0.03	-0.11	-0.22	3.56e-04	1.61e-04	-2.06e-05
44	64	0.03	-0.11	-0.22	3.56e-04	1.61e-04	-2.48e-05
44	74	0.10	-0.11	-0.25	3.53e-04	2.73e-04	9.44e-06
44	75	0.12	-0.11	-0.25	3.32e-04	3.37e-04	1.58e-05
44	77	0.02	-0.10	-0.24	3.21e-04	1.06e-04	-9.32e-06
44	78	0.10	-0.08	-0.22	2.59e-04	2.98e-04	9.88e-06
44	80	0.02	-0.08	-0.20	2.50e-04	1.24e-04	-9.02e-06
45	3	0.05	-0.03	-0.12	0.0	5.06e-04	1.78e-05
45	4	0.05	-0.02	-0.07	0.0	4.65e-04	2.91e-05
45	7	0.04	-0.02	-0.14	0.0	4.43e-04	-1.16e-05
45	19	-0.10	4.73e-03	-0.19	0.0	-4.67e-04	-6.09e-06
45	23	-0.10	5.65e-03	-0.19	0.0	-4.67e-04	-1.27e-05
45	36	0.03	-0.11	-0.04	0.0	2.87e-04	-6.95e-05
45	51	-0.02	-0.02	-0.12	0.0	1.05e-05	-1.49e-05
45	55	-0.02	-0.01	-0.12	0.0	1.05e-05	-1.90e-05
45	68	4.04e-03	-0.03	-0.09	0.0	1.55e-04	-2.01e-05
45	74	0.02	-0.02	-0.11	0.0	2.82e-04	0.0
45	75	0.04	-0.02	-0.09	0.0	3.51e-04	1.05e-05
45	77	-1.62e-03	-0.02	-0.12	0.0	9.96e-05	-2.76e-05
45	78	0.03	-0.02	-0.08	0.0	3.08e-04	6.68e-06
45	80	-4.88e-04	-0.02	-0.10	0.0	1.19e-04	-2.19e-05
46	3	0.08	-0.06	-0.12	0.0	5.09e-04	2.62e-05
46	4	0.08	-0.04	-0.07	0.0	4.64e-04	3.89e-05
46	9	0.02	-0.03	-0.14	0.0	2.34e-04	-5.86e-05
46	19	-0.12	-5.94e-04	-0.19	0.0	-4.55e-04	-1.06e-05
46	23	-0.12	3.27e-04	-0.19	0.0	-4.55e-04	-1.73e-05
46	36	0.04	-0.15	-0.04	0.0	2.94e-04	-6.91e-05
46	52	0.03	-0.04	-0.09	0.0	2.37e-04	-3.05e-05
46	55	-0.01	-0.03	-0.12	0.0	2.12e-05	-2.19e-05
46	68	0.01	-0.05	-0.09	0.0	1.65e-04	-2.23e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

46	74	0.04	-0.04	-0.10	0.0	2.89e-04	1.92e-06
46	75	0.05	-0.04	-0.09	0.0	3.55e-04	1.61e-05
46	77	3.81e-03	-0.04	-0.13	0.0	1.14e-04	-3.12e-05
46	78	0.05	-0.04	-0.08	0.0	3.10e-04	1.14e-05
46	80	5.79e-03	-0.03	-0.10	0.0	1.29e-04	-2.41e-05
47	3	0.10	-0.09	-0.12	0.0	4.96e-04	3.08e-05
47	9	0.03	-0.05	-0.14	0.0	2.58e-04	-5.15e-05
47	20	0.14	-0.09	-0.03	0.0	5.97e-04	9.28e-06
47	23	-0.14	-5.11e-03	-0.19	0.0	-4.49e-04	-1.70e-05
47	36	0.06	-0.19	-0.04	0.0	2.96e-04	-6.72e-05
47	52	0.04	-0.05	-0.09	0.0	2.41e-04	-2.79e-05
47	55	-0.01	-0.04	-0.12	0.0	2.64e-05	-2.00e-05
47	68	0.02	-0.07	-0.09	0.0	1.70e-04	-2.00e-05
47	74	0.05	-0.06	-0.10	0.0	2.85e-04	5.21e-06
47	75	0.07	-0.06	-0.08	0.0	3.46e-04	1.95e-05
47	77	9.67e-03	-0.06	-0.13	0.0	1.20e-04	-2.86e-05
47	78	0.06	-0.05	-0.08	0.0	3.03e-04	1.42e-05
47	80	0.01	-0.05	-0.10	0.0	1.34e-04	-2.18e-05
48	3	0.13	-0.11	-0.11	0.0	4.95e-04	2.94e-05
48	9	0.05	-0.06	-0.14	0.0	2.75e-04	-2.89e-05
48	20	0.17	-0.12	-0.03	0.0	5.88e-04	4.22e-06
48	23	-0.16	-0.01	-0.19	0.0	-4.41e-04	-1.28e-05
48	36	0.07	-0.23	-0.04	0.0	3.00e-04	-6.59e-05
48	52	0.05	-0.07	-0.09	0.0	2.46e-04	-2.29e-05
48	55	-0.01	-0.05	-0.12	0.0	3.30e-05	-1.48e-05
48	68	0.03	-0.09	-0.09	0.0	1.76e-04	-1.51e-05
48	74	0.07	-0.08	-0.10	0.0	2.89e-04	7.44e-06
48	75	0.09	-0.08	-0.08	0.0	3.46e-04	1.91e-05
48	77	0.02	-0.08	-0.13	0.0	1.31e-04	-2.13e-05
48	78	0.08	-0.06	-0.08	0.0	3.01e-04	1.35e-05
48	80	0.02	-0.06	-0.10	0.0	1.39e-04	-1.68e-05
49	3	0.15	-0.14	-0.11	5.53e-04	5.37e-04	3.36e-05
49	9	0.06	-0.08	-0.14	3.37e-04	2.90e-04	-4.03e-06
49	20	0.20	-0.14	-0.03	4.70e-04	6.03e-04	0.0
49	23	-0.19	-0.02	-0.19	1.13e-04	-4.26e-04	-5.48e-06
49	36	0.09	-0.28	-0.04	8.53e-04	3.10e-04	-6.33e-05
49	52	0.06	-0.08	-0.09	3.14e-04	2.58e-04	-1.60e-05
49	55	-0.01	-0.06	-0.12	2.42e-04	4.61e-05	-7.17e-06
49	68	0.04	-0.11	-0.09	3.84e-04	1.88e-04	-8.03e-06
49	74	0.08	-0.10	-0.09	4.10e-04	3.21e-04	1.46e-05
49	75	0.11	-0.10	-0.08	3.81e-04	3.75e-04	2.24e-05
49	77	0.02	-0.10	-0.13	3.71e-04	1.55e-04	-9.23e-06
49	78	0.09	-0.08	-0.08	2.86e-04	3.16e-04	1.42e-05
49	80	0.03	-0.07	-0.10	2.78e-04	1.52e-04	-9.50e-06
50	3	0.18	-0.14	-0.27	5.79e-04	3.96e-04	1.67e-05
50	7	0.17	-0.13	-0.28	5.64e-04	3.38e-04	1.79e-05
50	17	0.20	-0.02	-0.20	1.63e-04	5.43e-04	4.58e-05
50	20	0.20	-0.14	-0.20	4.72e-04	5.57e-04	-1.07e-05
50	32	0.08	-0.29	-0.17	8.59e-04	2.58e-04	-9.07e-05
50	49	0.06	-0.06	-0.16	2.56e-04	1.94e-04	0.0
50	52	0.06	-0.09	-0.16	3.19e-04	1.97e-04	-1.95e-05
50	64	0.04	-0.11	-0.16	3.89e-04	1.27e-04	-2.80e-05
50	74	0.10	-0.10	-0.19	4.29e-04	2.04e-04	3.79e-06
50	75	0.12	-0.10	-0.19	3.99e-04	2.77e-04	1.09e-05
50	77	0.02	-0.10	-0.18	3.81e-04	4.54e-05	-1.45e-05
50	78	0.10	-0.08	-0.17	2.90e-04	2.64e-04	6.94e-06
50	80	0.03	-0.08	-0.15	2.83e-04	9.13e-05	-1.21e-05
51	3	0.05	-0.03	-0.09	5.30e-04	4.96e-04	3.76e-05
51	4	0.05	-0.02	-0.05	3.78e-04	4.52e-04	4.40e-05
51	9	0.01	-0.02	-0.12	3.15e-04	2.25e-04	-1.45e-06
51	19	-0.10	4.81e-03	-0.19	1.02e-04	-4.58e-04	8.46e-06
51	23	-0.10	5.73e-03	-0.19	1.02e-04	-4.58e-04	1.80e-06
51	36	0.03	-0.11	0.01	8.54e-04	2.92e-04	-6.77e-05
51	52	0.02	-0.02	-0.07	3.05e-04	2.32e-04	-1.60e-05
51	55	-0.01	-0.01	-0.10	2.32e-04	1.73e-05	-5.33e-06
51	68	5.22e-03	-0.03	-0.07	3.76e-04	1.62e-04	-7.01e-06
51	74	0.02	-0.02	-0.08	3.91e-04	2.80e-04	1.69e-05
51	75	0.03	-0.02	-0.07	3.65e-04	3.45e-04	2.52e-05
51	77	-1.32e-05	-0.02	-0.10	3.54e-04	1.08e-04	-8.29e-06
51	78	0.03	-0.02	-0.06	2.76e-04	3.03e-04	1.66e-05
51	80	8.16e-04	-0.02	-0.09	2.68e-04	1.25e-04	-8.60e-06
52	3	0.08	-0.05	-0.09	5.36e-04	4.98e-04	4.83e-05
52	9	0.02	-0.03	-0.12	3.24e-04	2.35e-04	0.0
52	19	-0.12	-4.99e-04	-0.19	1.08e-04	-4.53e-04	5.80e-06
52	23	-0.12	4.22e-04	-0.19	1.08e-04	-4.53e-04	0.0
52	36	0.05	-0.15	0.01	8.54e-04	2.93e-04	-7.53e-05
52	52	0.03	-0.04	-0.07	3.08e-04	2.35e-04	-1.59e-05
52	55	-0.01	-0.03	-0.10	2.36e-04	2.11e-05	-6.24e-06
52	68	0.01	-0.05	-0.07	3.79e-04	1.65e-04	-7.83e-06
52	74	0.04	-0.04	-0.08	3.96e-04	2.83e-04	2.23e-05
52	75	0.05	-0.04	-0.06	3.69e-04	3.47e-04	3.24e-05
52	77	5.57e-03	-0.04	-0.10	3.59e-04	1.13e-04	-8.38e-06
52	78	0.05	-0.04	-0.06	2.80e-04	3.04e-04	2.18e-05
52	80	7.18e-03	-0.03	-0.09	2.72e-04	1.28e-04	-8.98e-06
53	3	0.10	-0.08	-0.08	5.39e-04	4.97e-04	5.10e-05
53	9	0.03	-0.05	-0.12	3.30e-04	2.41e-04	1.18e-06
53	20	0.14	-0.09	4.50e-03	4.65e-04	5.98e-04	8.30e-06
53	23	-0.14	-5.03e-03	-0.19	1.10e-04	-4.51e-04	-2.38e-06
53	36	0.06	-0.19	0.01	8.51e-04	2.94e-04	-7.64e-05
53	52	0.04	-0.05	-0.07	3.10e-04	2.37e-04	-1.52e-05
53	55	-0.01	-0.04	-0.11	2.37e-04	2.31e-05	-6.21e-06
53	68	0.02	-0.07	-0.07	3.80e-04	1.66e-04	-7.69e-06
53	74	0.05	-0.06	-0.07	3.99e-04	2.84e-04	2.41e-05
53	75	0.07	-0.06	-0.06	3.72e-04	3.46e-04	3.42e-05
53	77	0.01	-0.06	-0.10	3.61e-04	1.15e-04	-7.46e-06
53	78	0.06	-0.05	-0.06	2.81e-04	3.03e-04	2.29e-05
53	80	0.01	-0.05	-0.09	2.73e-04	1.30e-04	-8.62e-06
54	3	0.12	-0.11	-0.08	5.46e-04	4.99e-04	4.55e-05
54	9	0.05	-0.06	-0.12	3.35e-04	2.47e-04	3.84e-06
54	20	0.17	-0.12	4.52e-03	4.68e-04	5.97e-04	4.31e-06
54	23	-0.16	-0.01	-0.19	1.11e-04	-4.47e-04	-2.74e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

54	36	0.08	-0.23	0.01	8.49e-04	2.97e-04	-7.10e-05
54	52	0.05	-0.07	-0.07	3.12e-04	2.39e-04	-1.41e-05
54	55	-0.01	-0.05	-0.10	2.39e-04	2.58e-05	-5.22e-06
54	68	0.03	-0.09	-0.07	3.82e-04	1.69e-04	-6.61e-06
54	74	0.07	-0.08	-0.07	4.04e-04	2.87e-04	2.21e-05
54	75	0.09	-0.07	-0.06	3.77e-04	3.48e-04	3.05e-05
54	77	0.02	-0.08	-0.10	3.65e-04	1.20e-04	-5.64e-06
54	78	0.08	-0.06	-0.06	2.84e-04	3.04e-04	1.97e-05
54	80	0.02	-0.06	-0.09	2.75e-04	1.33e-04	-7.57e-06
55	3	0.15	-0.14	-0.07	5.53e-04	5.07e-04	3.90e-05
55	9	0.06	-0.08	-0.12	3.39e-04	2.50e-04	5.51e-06
55	20	0.20	-0.14	4.55e-03	4.70e-04	5.99e-04	0.0
55	23	-0.19	-0.02	-0.19	1.12e-04	-4.43e-04	-2.95e-06
55	36	0.09	-0.28	0.01	8.51e-04	2.99e-04	-6.62e-05
55	52	0.06	-0.08	-0.07	3.14e-04	2.42e-04	-1.35e-05
55	55	-9.77e-03	-0.06	-0.10	2.41e-04	2.86e-05	-4.48e-06
55	68	0.04	-0.11	-0.07	3.84e-04	1.72e-04	-5.84e-06
55	74	0.08	-0.10	-0.07	4.09e-04	2.93e-04	1.93e-05
55	75	0.10	-0.09	-0.05	3.81e-04	3.53e-04	2.62e-05
55	77	0.02	-0.10	-0.10	3.70e-04	1.25e-04	-4.54e-06
55	78	0.09	-0.08	-0.06	2.86e-04	3.06e-04	1.62e-05
55	80	0.03	-0.07	-0.09	2.78e-04	1.35e-04	-6.89e-06
56	3	0.20	-0.17	-0.23	6.03e-04	4.31e-04	0.0
56	7	0.18	-0.15	-0.24	6.00e-04	3.83e-04	0.0
56	17	0.22	-0.03	-0.19	1.82e-04	5.54e-04	0.0
56	20	0.23	-0.17	-0.17	4.90e-04	5.69e-04	0.0
56	32	0.10	-0.34	-0.11	8.73e-04	2.69e-04	0.0
56	49	0.07	-0.08	-0.15	2.74e-04	2.05e-04	0.0
56	52	0.07	-0.10	-0.15	3.36e-04	2.08e-04	0.0
56	64	0.05	-0.13	-0.14	4.06e-04	1.38e-04	0.0
56	74	0.11	-0.12	-0.16	4.50e-04	2.31e-04	0.0
56	75	0.13	-0.11	-0.16	4.16e-04	3.01e-04	0.0
56	77	0.03	-0.12	-0.16	4.10e-04	6.70e-05	0.0
56	78	0.11	-0.09	-0.16	3.07e-04	2.75e-04	0.0
56	80	0.03	-0.09	-0.14	3.00e-04	1.03e-04	0.0
57	4	0.06	-0.01	-0.09	3.60e-04	0.0	4.77e-05
57	7	0.05	-9.49e-03	-0.15	4.46e-04	0.0	7.58e-05
57	8	-4.80e-03	-0.02	-0.08	2.89e-04	0.0	-2.07e-05
57	19	-0.10	6.40e-03	-0.15	9.63e-05	0.0	1.57e-05
57	36	0.03	-0.11	-0.01	8.74e-04	0.0	-6.59e-05
57	39	-0.03	0.06	-0.17	-2.14e-04	0.0	3.07e-05
57	52	0.02	-0.02	-0.09	2.98e-04	0.0	-6.25e-06
57	68	5.32e-03	-0.03	-0.08	3.70e-04	0.0	2.34e-06
57	71	-4.06e-03	-3.89e-03	-0.11	1.53e-04	0.0	3.79e-06
57	74	0.03	-0.02	-0.10	3.76e-04	0.0	2.64e-05
57	75	0.04	-0.02	-0.09	3.50e-04	0.0	3.10e-05
57	77	1.23e-04	-0.02	-0.11	3.43e-04	0.0	6.08e-06
57	78	0.03	-0.02	-0.09	2.67e-04	0.0	1.99e-05
57	80	9.12e-04	-0.02	-0.10	2.62e-04	0.0	0.0
58	3	0.08	-0.05	-0.13	5.32e-04	0.0	4.81e-05
58	7	0.08	-0.03	-0.15	4.99e-04	0.0	9.36e-05
58	19	-0.12	1.11e-03	-0.15	1.10e-04	0.0	1.79e-05
58	36	0.05	-0.16	-0.01	8.67e-04	0.0	-7.59e-05
58	39	-0.04	0.07	-0.17	-1.99e-04	0.0	3.38e-05
58	52	0.03	-0.04	-0.09	3.10e-04	0.0	-5.07e-06
58	68	0.01	-0.05	-0.08	3.81e-04	0.0	3.13e-06
58	71	4.78e-04	-0.01	-0.11	1.66e-04	0.0	5.66e-06
58	74	0.04	-0.04	-0.10	3.94e-04	0.0	2.95e-05
58	75	0.06	-0.03	-0.09	3.67e-04	0.0	3.34e-05
58	77	5.71e-03	-0.04	-0.11	3.59e-04	0.0	9.08e-06
58	78	0.05	-0.03	-0.09	2.79e-04	0.0	2.10e-05
58	80	7.28e-03	-0.03	-0.10	2.73e-04	0.0	2.31e-06
59	3	0.11	-0.08	-0.12	5.43e-04	0.0	4.71e-05
59	7	0.10	-0.06	-0.14	5.35e-04	0.0	9.10e-05
59	20	0.14	-0.09	-0.05	4.66e-04	0.0	-6.37e-06
59	36	0.06	-0.20	-0.01	8.47e-04	0.0	-7.89e-05
59	39	-0.04	0.08	-0.17	-1.94e-04	0.0	3.36e-05
59	52	0.04	-0.05	-0.09	3.12e-04	0.0	-6.43e-06
59	68	0.02	-0.07	-0.08	3.83e-04	0.0	1.58e-06
59	71	5.08e-03	-0.02	-0.11	1.69e-04	0.0	4.67e-06
59	74	0.06	-0.06	-0.10	4.01e-04	0.0	2.87e-05
59	75	0.07	-0.05	-0.09	3.74e-04	0.0	3.26e-05
59	77	0.01	-0.06	-0.11	3.63e-04	0.0	8.31e-06
59	78	0.06	-0.05	-0.09	2.84e-04	0.0	1.98e-05
59	80	0.01	-0.05	-0.10	2.76e-04	0.0	1.04e-06
60	3	0.13	-0.10	-0.12	5.60e-04	0.0	4.52e-05
60	9	0.05	-0.06	-0.14	3.68e-04	0.0	3.32e-05
60	20	0.17	-0.12	-0.05	4.69e-04	0.0	-4.74e-06
60	36	0.08	-0.24	-0.01	8.34e-04	0.0	-7.23e-05
60	39	-0.04	0.09	-0.17	-1.87e-04	0.0	3.17e-05
60	52	0.05	-0.07	-0.09	3.17e-04	0.0	-8.14e-06
60	68	0.03	-0.09	-0.08	3.87e-04	0.0	0.0
60	71	9.74e-03	-0.03	-0.11	1.75e-04	0.0	2.70e-06
60	74	0.07	-0.08	-0.09	4.14e-04	0.0	2.68e-05
60	75	0.09	-0.07	-0.09	3.87e-04	0.0	3.09e-05
60	77	0.02	-0.08	-0.11	3.74e-04	0.0	5.98e-06
60	78	0.08	-0.06	-0.09	2.91e-04	0.0	1.85e-05
60	80	0.02	-0.06	-0.10	2.81e-04	0.0	0.0
61	3	0.16	-0.13	-0.11	6.06e-04	5.05e-04	3.70e-05
61	9	0.06	-0.08	-0.14	3.89e-04	2.44e-04	1.40e-05
61	20	0.20	-0.14	-0.05	4.85e-04	6.00e-04	-5.05e-06
61	36	0.09	-0.28	-0.01	8.55e-04	2.96e-04	-6.66e-05
61	39	-0.05	0.10	-0.17	-1.69e-04	-5.97e-05	2.70e-05
61	52	0.06	-0.09	-0.09	3.35e-04	2.39e-04	-1.21e-05
61	68	0.04	-0.11	-0.08	4.04e-04	1.69e-04	-3.99e-06
61	71	0.01	-0.04	-0.11	1.93e-04	9.68e-05	-1.80e-06
61	74	0.09	-0.10	-0.09	4.52e-04	2.90e-04	1.97e-05
61	75	0.11	-0.09	-0.08	4.18e-04	3.52e-04	2.51e-05
61	77	0.02	-0.10	-0.11	4.08e-04	1.21e-04	-1.25e-06
61	78	0.09	-0.08	-0.09	3.07e-04	3.06e-04	1.48e-05
61	80	0.03	-0.07	-0.10	2.99e-04	1.33e-04	-4.99e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

62	3	0.17	-0.13	-0.19	5.60e-04	0.0	3.04e-06
62	7	0.16	-0.11	-0.20	5.62e-04	0.0	-7.08e-06
62	20	0.20	-0.14	-0.14	4.70e-04	0.0	-1.38e-05
62	32	0.10	-0.30	-0.05	8.44e-04	0.0	-8.80e-05
62	33	0.07	0.10	-0.19	-1.69e-04	0.0	4.05e-05
62	52	0.06	-0.09	-0.12	3.21e-04	0.0	-2.46e-05
62	64	0.04	-0.11	-0.11	3.91e-04	0.0	-3.29e-05
62	65	0.03	-0.04	-0.13	1.82e-04	0.0	-3.45e-06
62	74	0.09	-0.10	-0.13	4.17e-04	0.0	-7.16e-06
62	75	0.12	-0.09	-0.13	3.87e-04	0.0	1.42e-06
62	77	0.02	-0.10	-0.13	3.85e-04	0.0	-2.42e-05
62	78	0.09	-0.08	-0.13	2.93e-04	0.0	1.54e-06
62	80	0.03	-0.08	-0.12	2.85e-04	0.0	-1.73e-05
63	4	0.07	-8.81e-03	-0.12	3.59e-04	0.0	2.13e-05
63	7	0.06	-5.59e-03	-0.19	4.29e-04	0.0	1.11e-05
63	8	-4.84e-03	-0.03	-0.08	3.00e-04	0.0	-1.72e-05
63	19	-0.10	6.98e-03	-0.11	9.38e-05	0.0	0.0
63	32	0.04	-0.12	-0.03	8.83e-04	0.0	-9.37e-05
63	33	0.02	0.06	-0.17	-2.02e-04	0.0	4.58e-05
63	52	0.02	-0.02	-0.11	2.98e-04	0.0	-2.25e-05
63	64	7.87e-03	-0.03	-0.09	3.70e-04	0.0	-3.17e-05
63	65	3.18e-03	-4.01e-03	-0.12	1.55e-04	0.0	0.0
63	74	0.03	-0.02	-0.13	3.75e-04	0.0	0.0
63	75	0.04	-0.01	-0.12	3.50e-04	0.0	7.50e-06
63	77	2.79e-04	-0.02	-0.12	3.41e-04	0.0	-1.81e-05
63	78	0.03	-0.02	-0.11	2.67e-04	0.0	3.67e-06
63	80	1.01e-03	-0.02	-0.11	2.61e-04	0.0	-1.55e-05
64	3	0.09	-0.05	-0.17	5.37e-04	0.0	5.07e-06
64	7	0.08	-0.03	-0.19	4.99e-04	0.0	0.0
64	19	-0.12	1.84e-03	-0.11	1.08e-04	0.0	0.0
64	32	0.05	-0.16	-0.03	8.75e-04	0.0	-9.41e-05
64	33	0.03	0.07	-0.17	-1.86e-04	0.0	4.25e-05
64	52	0.03	-0.04	-0.11	3.12e-04	0.0	-2.50e-05
64	64	0.02	-0.05	-0.09	3.83e-04	0.0	-3.40e-05
64	65	0.01	-0.01	-0.12	1.70e-04	0.0	-3.19e-06
64	74	0.05	-0.04	-0.12	3.97e-04	0.0	-4.70e-06
64	75	0.06	-0.03	-0.12	3.71e-04	0.0	2.76e-06
64	77	5.92e-03	-0.04	-0.12	3.61e-04	0.0	-2.18e-05
64	78	0.05	-0.03	-0.11	2.82e-04	0.0	0.0
64	80	7.41e-03	-0.03	-0.11	2.75e-04	0.0	-1.78e-05
65	3	0.12	-0.07	-0.16	5.45e-04	0.0	1.46e-06
65	7	0.11	-0.06	-0.18	5.44e-04	0.0	-3.29e-06
65	20	0.14	-0.10	-0.10	4.67e-04	0.0	-1.82e-05
65	32	0.07	-0.21	-0.04	8.48e-04	0.0	-9.63e-05
65	33	0.04	0.08	-0.17	-1.80e-04	0.0	4.11e-05
65	52	0.04	-0.06	-0.11	3.14e-04	0.0	-2.61e-05
65	64	0.02	-0.07	-0.09	3.84e-04	0.0	-3.49e-05
65	65	0.02	-0.02	-0.12	1.73e-04	0.0	-4.11e-06
65	74	0.06	-0.06	-0.12	4.03e-04	0.0	-7.37e-06
65	75	0.08	-0.05	-0.12	3.76e-04	0.0	0.0
65	77	0.01	-0.06	-0.12	3.65e-04	0.0	-2.37e-05
65	78	0.06	-0.05	-0.11	2.85e-04	0.0	0.0
65	80	0.01	-0.05	-0.11	2.77e-04	0.0	-1.87e-05
66	3	0.14	-0.10	-0.16	5.56e-04	0.0	1.71e-06
66	7	0.13	-0.08	-0.18	5.76e-04	0.0	1.35e-06
66	20	0.17	-0.12	-0.10	4.64e-04	0.0	-1.87e-05
66	32	0.08	-0.25	-0.04	8.28e-04	0.0	-1.02e-04
66	33	0.05	0.09	-0.17	-1.75e-04	0.0	4.12e-05
66	52	0.05	-0.07	-0.11	3.16e-04	0.0	-2.60e-05
66	64	0.03	-0.09	-0.09	3.86e-04	0.0	-3.50e-05
66	65	0.03	-0.03	-0.12	1.77e-04	0.0	-3.88e-06
66	74	0.08	-0.08	-0.12	4.12e-04	0.0	-7.53e-06
66	75	0.10	-0.07	-0.12	3.84e-04	0.0	0.0
66	77	0.02	-0.08	-0.12	3.74e-04	0.0	-2.43e-05
66	78	0.08	-0.06	-0.11	2.89e-04	0.0	0.0
66	80	0.02	-0.06	-0.11	2.81e-04	0.0	-1.86e-05
67	3	0.16	-0.13	-0.16	5.96e-04	4.77e-04	1.48e-05
67	7	0.15	-0.11	-0.17	6.15e-04	4.47e-04	2.17e-05
67	20	0.20	-0.14	-0.10	4.81e-04	5.90e-04	-1.40e-05
67	32	0.10	-0.29	-0.04	8.48e-04	2.83e-04	-1.02e-04
67	33	0.07	0.10	-0.17	-1.55e-04	2.45e-04	4.53e-05
67	52	0.06	-0.09	-0.11	3.33e-04	2.30e-04	-2.17e-05
67	64	0.04	-0.11	-0.09	4.03e-04	1.60e-04	-3.08e-05
67	65	0.03	-0.04	-0.12	1.95e-04	1.52e-04	0.0
67	74	0.09	-0.10	-0.12	4.45e-04	2.69e-04	1.96e-06
67	75	0.11	-0.09	-0.11	4.12e-04	3.33e-04	9.64e-06
67	77	0.02	-0.10	-0.12	4.06e-04	1.05e-04	-1.76e-05
67	78	0.09	-0.08	-0.11	3.05e-04	2.97e-04	5.44e-06
67	80	0.03	-0.07	-0.11	2.97e-04	1.24e-04	-1.45e-05
68	3	0.19	-0.16	-0.15	6.02e-04	4.48e-04	3.06e-05
68	7	0.18	-0.14	-0.17	6.12e-04	4.13e-04	3.71e-05
68	20	0.23	-0.17	-0.10	4.93e-04	5.84e-04	-4.73e-06
68	32	0.11	-0.33	-0.04	8.67e-04	2.77e-04	-8.99e-05
68	33	0.08	0.11	-0.17	-1.47e-04	2.39e-04	5.27e-05
68	52	0.07	-0.10	-0.11	3.41e-04	2.23e-04	-1.42e-05
68	64	0.05	-0.13	-0.09	4.10e-04	1.52e-04	-2.34e-05
68	65	0.04	-0.05	-0.12	2.02e-04	1.45e-04	7.41e-06
68	74	0.10	-0.12	-0.11	4.52e-04	2.47e-04	1.45e-05
68	75	0.13	-0.11	-0.11	4.16e-04	3.13e-04	2.06e-05
68	77	0.03	-0.12	-0.12	4.19e-04	9.31e-05	-5.66e-06
68	78	0.11	-0.09	-0.11	3.12e-04	2.90e-04	1.27e-05
68	80	0.03	-0.09	-0.11	3.04e-04	1.17e-04	-7.33e-06
69	4	0.07	-8.02e-03	-0.15	3.73e-04	0.0	8.50e-06
69	7	0.07	-6.63e-03	-0.22	4.68e-04	0.0	-2.99e-05
69	8	-4.88e-03	-0.03	-0.09	2.90e-04	0.0	-4.90e-06
69	19	-0.10	6.71e-03	-0.08	9.97e-05	0.0	-4.78e-06
69	26	-0.01	-0.13	-0.03	8.62e-04	0.0	-1.01e-04
69	33	0.02	0.07	-0.19	-1.93e-04	0.0	4.01e-05
69	52	0.02	-0.03	-0.12	3.05e-04	0.0	-2.90e-05
69	58	-5.06e-04	-0.04	-0.10	3.74e-04	0.0	-4.01e-05
69	65	3.24e-03	-4.39e-03	-0.13	1.63e-04	0.0	-6.99e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

69	74	0.04	-0.02	-0.15	3.88e-04	0.0	-1.10e-05
69	75	0.05	-0.01	-0.15	3.62e-04	0.0	-2.80e-06
69	77	3.84e-04	-0.02	-0.13	3.53e-04	0.0	-2.77e-05
69	78	0.03	-0.02	-0.13	2.75e-04	0.0	-3.07e-06
69	80	1.09e-03	-0.02	-0.12	2.68e-04	0.0	-2.15e-05
70	3	0.10	-0.05	-0.20	5.43e-04	0.0	-8.19e-06
70	7	0.09	-0.03	-0.22	5.12e-04	0.0	-5.29e-05
70	19	-0.12	1.49e-03	-0.08	1.08e-04	0.0	-7.72e-06
70	26	-0.01	-0.17	-0.03	8.56e-04	0.0	-8.96e-05
70	33	0.03	0.08	-0.19	-1.83e-04	0.0	3.59e-05
70	52	0.03	-0.04	-0.12	3.13e-04	0.0	-3.07e-05
70	64	0.02	-0.06	-0.10	3.84e-04	0.0	-3.89e-05
70	65	0.01	-0.01	-0.13	1.71e-04	0.0	-9.68e-06
70	74	0.05	-0.04	-0.14	4.01e-04	0.0	-1.61e-05
70	75	0.07	-0.03	-0.14	3.74e-04	0.0	-7.13e-06
70	77	6.06e-03	-0.04	-0.13	3.64e-04	0.0	-3.21e-05
70	78	0.05	-0.03	-0.13	2.84e-04	0.0	-5.22e-06
70	80	7.50e-03	-0.03	-0.12	2.76e-04	0.0	-2.34e-05
71	3	0.12	-0.07	-0.20	5.47e-04	0.0	-9.18e-06
71	7	0.11	-0.06	-0.21	5.37e-04	0.0	-5.24e-05
71	20	0.14	-0.10	-0.14	4.68e-04	0.0	-1.39e-05
71	32	0.07	-0.21	-0.05	8.53e-04	0.0	-7.18e-05
71	33	0.04	0.08	-0.19	-1.80e-04	0.0	3.50e-05
71	52	0.04	-0.06	-0.12	3.14e-04	0.0	-3.00e-05
71	64	0.02	-0.08	-0.10	3.84e-04	0.0	-3.79e-05
71	65	0.02	-0.02	-0.13	1.73e-04	0.0	-9.40e-06
71	74	0.07	-0.06	-0.14	4.05e-04	0.0	-1.69e-05
71	75	0.08	-0.05	-0.14	3.77e-04	0.0	-7.56e-06
71	77	0.01	-0.06	-0.13	3.67e-04	0.0	-3.27e-05
71	78	0.06	-0.05	-0.13	2.85e-04	0.0	-4.56e-06
71	80	0.01	-0.05	-0.12	2.77e-04	0.0	-2.27e-05
72	3	0.15	-0.10	-0.19	5.52e-04	0.0	-8.39e-06
72	7	0.14	-0.09	-0.21	5.53e-04	0.0	-3.67e-05
72	20	0.17	-0.12	-0.14	4.66e-04	0.0	-1.53e-05
72	32	0.08	-0.25	-0.05	8.42e-04	0.0	-7.99e-05
72	33	0.05	0.09	-0.19	-1.76e-04	0.0	3.54e-05
72	52	0.05	-0.07	-0.12	3.15e-04	0.0	-2.91e-05
72	64	0.03	-0.09	-0.11	3.85e-04	0.0	-3.70e-05
72	65	0.03	-0.03	-0.13	1.76e-04	0.0	-8.38e-06
72	74	0.08	-0.08	-0.14	4.09e-04	0.0	-1.63e-05
72	75	0.10	-0.07	-0.14	3.81e-04	0.0	-6.70e-06
72	77	0.02	-0.08	-0.13	3.72e-04	0.0	-3.21e-05
72	78	0.08	-0.06	-0.13	2.87e-04	0.0	-3.36e-06
72	80	0.02	-0.06	-0.12	2.79e-04	0.0	-2.18e-05
73	3	0.19	-0.17	-0.19	6.34e-04	4.19e-04	2.99e-05
73	7	0.18	-0.15	-0.21	6.41e-04	3.78e-04	3.51e-05
73	20	0.23	-0.17	-0.13	4.99e-04	5.74e-04	-3.80e-06
73	32	0.10	-0.33	-0.09	8.79e-04	2.69e-04	-8.90e-05
73	37	0.08	0.11	-0.16	-1.41e-04	2.32e-04	3.86e-05
73	52	0.07	-0.10	-0.13	3.46e-04	2.15e-04	-1.47e-05
73	64	0.05	-0.13	-0.12	4.15e-04	1.44e-04	-2.43e-05
73	69	0.04	-0.05	-0.14	2.07e-04	1.37e-04	-2.67e-06
73	74	0.10	-0.12	-0.14	4.75e-04	2.26e-04	1.35e-05
73	75	0.13	-0.12	-0.14	4.38e-04	2.93e-04	2.00e-05
73	77	0.03	-0.12	-0.15	4.29e-04	7.81e-05	-7.14e-06
73	78	0.11	-0.09	-0.13	3.17e-04	2.81e-04	1.24e-05
73	80	0.03	-0.09	-0.13	3.10e-04	1.09e-04	-8.06e-06
74	3	0.19	-0.16	-0.18	5.60e-04	4.83e-04	1.95e-05
74	7	0.18	-0.14	-0.20	5.60e-04	4.51e-04	2.10e-05
74	20	0.23	-0.17	-0.14	4.75e-04	5.91e-04	-8.79e-06
74	32	0.11	-0.34	-0.05	8.51e-04	2.84e-04	-8.92e-05
74	33	0.08	0.11	-0.19	-1.65e-04	2.45e-04	4.78e-05
74	52	0.08	-0.10	-0.12	3.25e-04	2.31e-04	-1.84e-05
74	64	0.05	-0.13	-0.11	3.94e-04	1.60e-04	-2.72e-05
74	65	0.04	-0.05	-0.13	1.86e-04	1.52e-04	3.12e-06
74	74	0.11	-0.12	-0.13	4.19e-04	2.73e-04	5.84e-06
74	75	0.13	-0.11	-0.13	3.87e-04	3.37e-04	1.28e-05
74	77	0.03	-0.12	-0.13	3.92e-04	1.06e-04	-1.29e-05
74	78	0.11	-0.09	-0.13	2.96e-04	2.98e-04	8.07e-06
74	80	0.03	-0.09	-0.12	2.89e-04	1.24e-04	-1.12e-05
75	4	0.08	-7.22e-03	-0.18	3.82e-04	4.56e-04	2.88e-05
75	7	0.07	-8.22e-03	-0.25	5.04e-04	4.81e-04	2.71e-05
75	8	-5.00e-03	-0.03	-0.09	2.75e-04	6.32e-05	-1.42e-05
75	19	-0.10	6.37e-03	-0.05	1.09e-04	-4.57e-04	-5.22e-06
75	21	0.08	8.89e-03	-0.21	1.51e-04	5.88e-04	3.36e-05
75	26	-0.01	-0.13	-0.02	8.46e-04	-2.10e-05	-1.00e-04
75	52	0.02	-0.03	-0.14	3.08e-04	2.37e-04	-1.69e-05
75	53	0.02	-0.02	-0.14	2.45e-04	2.35e-04	-7.46e-06
75	58	-4.54e-04	-0.04	-0.11	3.77e-04	1.02e-04	-2.88e-05
75	74	0.04	-0.02	-0.16	3.96e-04	2.86e-04	8.65e-06
75	75	0.05	-0.01	-0.17	3.69e-04	3.49e-04	1.48e-05
75	77	4.61e-04	-0.03	-0.14	3.60e-04	1.16e-04	-9.66e-06
75	78	0.03	-0.02	-0.15	2.79e-04	3.05e-04	8.71e-06
75	80	1.14e-03	-0.02	-0.12	2.73e-04	1.30e-04	-9.60e-06
76	3	0.10	-0.05	-0.23	5.43e-04	4.95e-04	2.28e-05
76	7	0.10	-0.03	-0.25	5.18e-04	4.68e-04	2.74e-05
76	19	-0.12	7.64e-04	-0.05	1.11e-04	-4.56e-04	-1.75e-05
76	21	0.11	1.17e-03	-0.21	1.56e-04	5.84e-04	3.46e-05
76	26	-0.01	-0.17	-0.02	8.44e-04	-2.08e-05	-9.19e-05
76	52	0.03	-0.04	-0.14	3.11e-04	2.34e-04	-1.63e-05
76	53	0.03	-0.03	-0.14	2.48e-04	2.32e-04	-7.21e-06
76	58	4.58e-03	-0.06	-0.11	3.79e-04	1.00e-04	-2.85e-05
76	74	0.06	-0.04	-0.16	4.02e-04	2.82e-04	8.88e-06
76	75	0.07	-0.03	-0.17	3.74e-04	3.45e-04	1.52e-05
76	77	6.12e-03	-0.04	-0.14	3.64e-04	1.12e-04	-9.88e-06
76	78	0.05	-0.03	-0.15	2.82e-04	3.02e-04	8.97e-06
76	80	7.54e-03	-0.04	-0.12	2.75e-04	1.27e-04	-9.80e-06
77	3	0.13	-0.07	-0.23	5.45e-04	4.92e-04	2.36e-05
77	7	0.12	-0.06	-0.24	5.26e-04	4.60e-04	2.80e-05
77	20	0.14	-0.10	-0.17	4.67e-04	5.96e-04	0.0
77	21	0.13	-6.65e-03	-0.21	1.57e-04	5.83e-04	3.54e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

77	26	-0.01	-0.22	-0.02	8.41e-04	-2.12e-05	-8.94e-05
77	52	0.04	-0.06	-0.14	3.12e-04	2.33e-04	-1.57e-05
77	53	0.04	-0.04	-0.14	2.49e-04	2.31e-04	-6.90e-06
77	58	9.57e-03	-0.08	-0.11	3.80e-04	9.94e-05	-2.81e-05
77	74	0.07	-0.06	-0.16	4.04e-04	2.79e-04	9.29e-06
77	75	0.09	-0.05	-0.16	3.76e-04	3.43e-04	1.57e-05
77	77	0.01	-0.06	-0.14	3.66e-04	1.11e-04	-9.78e-06
77	78	0.06	-0.05	-0.15	2.83e-04	3.01e-04	9.37e-06
77	80	0.01	-0.05	-0.12	2.76e-04	1.27e-04	-9.72e-06
78	3	0.15	-0.10	-0.22	5.48e-04	4.88e-04	2.44e-05
78	7	0.14	-0.09	-0.24	5.32e-04	4.53e-04	2.87e-05
78	20	0.17	-0.12	-0.17	4.67e-04	5.94e-04	0.0
78	21	0.16	-0.01	-0.21	1.58e-04	5.81e-04	3.58e-05
78	32	0.08	-0.26	-0.07	8.53e-04	2.86e-04	-7.00e-05
78	52	0.05	-0.07	-0.14	3.13e-04	2.32e-04	-1.56e-05
78	53	0.05	-0.05	-0.14	2.50e-04	2.29e-04	-6.74e-06
78	64	0.03	-0.10	-0.12	3.84e-04	1.61e-04	-2.48e-05
78	74	0.08	-0.08	-0.15	4.06e-04	2.76e-04	9.77e-06
78	75	0.10	-0.07	-0.16	3.78e-04	3.40e-04	1.62e-05
78	77	0.02	-0.08	-0.14	3.69e-04	1.07e-04	-9.58e-06
78	78	0.08	-0.06	-0.15	2.85e-04	2.99e-04	9.81e-06
78	80	0.02	-0.06	-0.12	2.77e-04	1.25e-04	-9.54e-06
79	3	0.18	-0.13	-0.22	5.49e-04	4.86e-04	2.51e-05
79	7	0.17	-0.11	-0.23	5.35e-04	4.50e-04	2.93e-05
79	20	0.20	-0.14	-0.17	4.68e-04	5.90e-04	-2.78e-06
79	21	0.19	-0.02	-0.21	1.60e-04	5.78e-04	3.60e-05
79	32	0.10	-0.30	-0.07	8.53e-04	2.82e-04	-7.84e-05
79	52	0.06	-0.09	-0.14	3.15e-04	2.29e-04	-1.58e-05
79	53	0.06	-0.07	-0.14	2.52e-04	2.27e-04	-6.77e-06
79	64	0.04	-0.12	-0.12	3.86e-04	1.58e-04	-2.49e-05
79	74	0.10	-0.10	-0.15	4.08e-04	2.74e-04	1.02e-05
79	75	0.12	-0.09	-0.16	3.79e-04	3.39e-04	1.67e-05
79	77	0.02	-0.10	-0.14	3.74e-04	1.03e-04	-9.41e-06
79	78	0.09	-0.08	-0.15	2.87e-04	2.97e-04	1.02e-05
79	80	0.03	-0.08	-0.12	2.80e-04	1.23e-04	-9.39e-06
80	3	0.20	-0.16	-0.22	5.39e-04	4.96e-04	2.58e-05
80	7	0.19	-0.14	-0.23	5.25e-04	4.59e-04	2.98e-05
80	20	0.23	-0.17	-0.17	4.68e-04	5.89e-04	-4.55e-06
80	21	0.22	-0.03	-0.21	1.60e-04	5.78e-04	3.62e-05
80	32	0.11	-0.34	-0.07	8.54e-04	2.81e-04	-8.50e-05
80	52	0.07	-0.11	-0.14	3.16e-04	2.29e-04	-1.59e-05
80	53	0.07	-0.08	-0.14	2.53e-04	2.26e-04	-6.83e-06
80	64	0.05	-0.13	-0.12	3.87e-04	1.58e-04	-2.51e-05
80	74	0.11	-0.12	-0.15	4.02e-04	2.80e-04	1.06e-05
80	75	0.14	-0.11	-0.15	3.72e-04	3.45e-04	1.72e-05
80	77	0.03	-0.12	-0.14	3.76e-04	1.01e-04	-9.34e-06
80	78	0.11	-0.09	-0.15	2.87e-04	2.96e-04	1.06e-05
80	80	0.03	-0.09	-0.12	2.81e-04	1.22e-04	-9.33e-06
81	3	0.08	-0.03	-0.27	0.0	5.12e-04	4.81e-05
81	4	0.08	-0.01	-0.21	0.0	4.66e-04	5.10e-05
81	7	0.08	-0.01	-0.28	0.0	5.17e-04	8.52e-05
81	19	-0.10	6.33e-03	-0.06	0.0	-4.76e-04	-2.02e-06
81	21	0.08	8.83e-03	-0.22	0.0	5.95e-04	4.75e-05
81	26	-0.02	-0.13	-0.08	0.0	-1.89e-05	-1.02e-04
81	52	0.02	-0.03	-0.16	0.0	2.42e-04	-4.53e-06
81	53	0.02	-0.02	-0.16	0.0	2.39e-04	4.95e-06
81	58	-1.76e-03	-0.04	-0.13	0.0	1.06e-04	-1.73e-05
81	74	0.04	-0.02	-0.19	0.0	2.95e-04	2.91e-05
81	75	0.05	-0.02	-0.19	0.0	3.57e-04	3.35e-05
81	77	7.35e-04	-0.03	-0.16	0.0	1.23e-04	8.20e-06
81	78	0.03	-0.02	-0.17	0.0	3.09e-04	2.13e-05
81	80	1.10e-03	-0.02	-0.14	0.0	1.33e-04	2.11e-06
82	3	0.11	-0.05	-0.27	0.0	4.96e-04	5.47e-05
82	7	0.10	-0.04	-0.28	0.0	4.75e-04	1.08e-04
82	19	-0.12	7.60e-04	-0.06	0.0	-4.68e-04	-1.40e-05
82	21	0.11	1.11e-03	-0.22	0.0	5.85e-04	5.15e-05
82	26	-0.02	-0.17	-0.08	0.0	-2.20e-05	-1.03e-04
82	52	0.03	-0.04	-0.16	0.0	2.34e-04	-1.98e-06
82	53	0.03	-0.03	-0.16	0.0	2.31e-04	7.46e-06
82	58	3.28e-03	-0.06	-0.13	0.0	9.91e-05	-1.56e-05
82	74	0.06	-0.04	-0.19	0.0	2.82e-04	3.44e-05
82	75	0.07	-0.04	-0.19	0.0	3.45e-04	3.81e-05
82	77	6.49e-03	-0.04	-0.16	0.0	1.12e-04	1.24e-05
82	78	0.05	-0.03	-0.17	0.0	3.01e-04	2.37e-05
82	80	7.50e-03	-0.04	-0.14	0.0	1.26e-04	3.92e-06
83	3	0.13	-0.08	-0.26	0.0	4.92e-04	5.69e-05
83	7	0.13	-0.07	-0.28	0.0	4.50e-04	1.09e-04
83	19	-0.14	-4.81e-03	-0.06	0.0	-4.51e-04	-1.67e-05
83	21	0.14	-6.69e-03	-0.22	0.0	5.83e-04	5.23e-05
83	26	-0.02	-0.22	-0.08	0.0	-2.19e-05	-1.05e-04
83	52	0.04	-0.06	-0.16	0.0	2.33e-04	-2.11e-06
83	53	0.04	-0.04	-0.16	0.0	2.30e-04	7.36e-06
83	58	8.19e-03	-0.08	-0.13	0.0	9.84e-05	-1.63e-05
83	74	0.07	-0.06	-0.18	0.0	2.79e-04	3.59e-05
83	75	0.09	-0.06	-0.19	0.0	3.43e-04	3.93e-05
83	77	0.01	-0.06	-0.16	0.0	1.10e-04	1.33e-05
83	78	0.06	-0.05	-0.17	0.0	3.00e-04	2.36e-05
83	80	0.01	-0.05	-0.14	0.0	1.26e-04	3.48e-06
84	3	0.15	-0.11	-0.26	0.0	4.87e-04	5.78e-05
84	7	0.15	-0.09	-0.27	0.0	4.34e-04	9.47e-05
84	20	0.17	-0.12	-0.20	0.0	5.91e-04	8.15e-06
84	21	0.17	-0.01	-0.22	0.0	5.79e-04	5.20e-05
84	32	0.08	-0.26	-0.13	0.0	2.82e-04	-7.94e-05
84	52	0.05	-0.07	-0.16	0.0	2.30e-04	-2.89e-06
84	53	0.05	-0.05	-0.16	0.0	2.28e-04	6.63e-06
84	64	0.03	-0.10	-0.14	0.0	1.59e-04	-1.33e-05
84	74	0.09	-0.08	-0.18	0.0	2.75e-04	3.62e-05
84	75	0.11	-0.07	-0.18	0.0	3.39e-04	3.96e-05
84	77	0.02	-0.08	-0.16	0.0	1.05e-04	1.32e-05
84	78	0.08	-0.06	-0.17	0.0	2.98e-04	2.34e-05
84	80	0.02	-0.06	-0.14	0.0	1.24e-04	2.86e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

85	3	0.19	-0.17	-0.24	6.31e-04	4.01e-04	2.45e-05
85	7	0.18	-0.16	-0.25	6.30e-04	3.52e-04	2.89e-05
85	17	0.23	-0.03	-0.16	1.84e-04	5.52e-04	5.08e-05
85	20	0.23	-0.17	-0.16	4.91e-04	5.66e-04	-7.06e-06
85	32	0.10	-0.33	-0.15	8.77e-04	2.65e-04	-8.84e-05
85	49	0.07	-0.08	-0.15	2.75e-04	2.04e-04	2.77e-06
85	52	0.07	-0.10	-0.15	3.38e-04	2.06e-04	-1.63e-05
85	64	0.04	-0.13	-0.15	4.08e-04	1.36e-04	-2.55e-05
85	74	0.10	-0.13	-0.18	4.70e-04	2.11e-04	9.94e-06
85	75	0.13	-0.12	-0.17	4.35e-04	2.81e-04	1.64e-05
85	77	0.03	-0.12	-0.18	4.14e-04	6.31e-05	-9.29e-06
85	78	0.11	-0.09	-0.15	3.09e-04	2.73e-04	9.95e-06
85	80	0.03	-0.09	-0.15	3.02e-04	1.01e-04	-9.29e-06
86	3	0.20	-0.16	-0.25	5.51e-04	4.77e-04	3.19e-05
86	7	0.19	-0.15	-0.26	5.33e-04	4.25e-04	3.86e-05
86	20	0.23	-0.17	-0.20	4.67e-04	5.80e-04	-3.38e-06
86	21	0.22	-0.03	-0.22	1.58e-04	5.68e-04	3.95e-05
86	32	0.10	-0.34	-0.13	8.53e-04	2.72e-04	-8.84e-05
86	52	0.07	-0.11	-0.16	3.14e-04	2.20e-04	-1.40e-05
86	53	0.07	-0.08	-0.16	2.51e-04	2.17e-04	-4.64e-06
86	64	0.05	-0.13	-0.14	3.84e-04	1.50e-04	-2.35e-05
86	74	0.11	-0.12	-0.17	4.09e-04	2.64e-04	1.52e-05
86	75	0.14	-0.11	-0.18	3.80e-04	3.32e-04	2.14e-05
86	77	0.03	-0.12	-0.16	3.71e-04	8.52e-05	-5.68e-06
86	78	0.11	-0.09	-0.17	2.85e-04	2.88e-04	1.30e-05
86	80	0.03	-0.09	-0.14	2.78e-04	1.14e-04	-7.36e-06
87	4	0.09	-0.02	-0.23	0.0	4.79e-04	4.05e-05
87	5	0.08	-0.03	-0.29	0.0	4.40e-04	2.69e-05
87	7	0.08	-0.02	-0.32	0.0	5.55e-04	4.61e-05
87	19	-0.10	6.25e-03	-0.07	0.0	-4.85e-04	6.45e-06
87	20	0.08	-0.05	-0.23	0.0	6.18e-04	-1.71e-06
87	26	-0.03	-0.13	-0.13	0.0	-1.79e-05	-1.02e-04
87	52	0.02	-0.03	-0.18	0.0	2.50e-04	-1.06e-05
87	58	-2.93e-03	-0.04	-0.15	0.0	1.12e-04	-2.26e-05
87	74	0.05	-0.02	-0.22	0.0	3.07e-04	1.91e-05
87	75	0.06	-0.02	-0.22	0.0	3.68e-04	2.48e-05
87	77	1.13e-03	-0.03	-0.18	0.0	1.34e-04	-1.21e-06
87	78	0.04	-0.02	-0.19	0.0	3.17e-04	1.58e-05
87	80	1.17e-03	-0.02	-0.16	0.0	1.40e-04	-3.71e-06
88	5	0.10	-0.06	-0.28	0.0	4.14e-04	3.28e-05
88	7	0.11	-0.05	-0.31	0.0	4.88e-04	5.63e-05
88	19	-0.12	7.20e-04	-0.07	0.0	-4.73e-04	6.75e-06
88	20	0.11	-0.07	-0.23	0.0	6.02e-04	0.0
88	26	-0.03	-0.17	-0.13	0.0	-2.47e-05	-1.03e-04
88	52	0.03	-0.04	-0.18	0.0	2.36e-04	-8.07e-06
88	58	2.26e-03	-0.06	-0.15	0.0	1.00e-04	-2.03e-05
88	74	0.06	-0.04	-0.21	0.0	2.87e-04	2.37e-05
88	75	0.07	-0.04	-0.21	0.0	3.49e-04	2.90e-05
88	77	7.21e-03	-0.04	-0.18	0.0	1.16e-04	2.68e-06
88	78	0.05	-0.03	-0.19	0.0	3.03e-04	1.85e-05
88	80	7.74e-03	-0.04	-0.16	0.0	1.28e-04	-1.21e-06
89	3	0.13	-0.09	-0.30	0.0	4.96e-04	4.65e-05
89	5	0.12	-0.09	-0.28	0.0	4.09e-04	3.68e-05
89	7	0.13	-0.07	-0.31	0.0	4.45e-04	6.02e-05
89	20	0.14	-0.10	-0.23	0.0	5.96e-04	1.53e-06
89	26	-0.03	-0.22	-0.13	0.0	-2.14e-05	-1.04e-04
89	52	0.04	-0.06	-0.18	0.0	2.33e-04	-7.00e-06
89	58	7.18e-03	-0.08	-0.15	0.0	9.84e-05	-1.94e-05
89	74	0.07	-0.06	-0.21	0.0	2.82e-04	2.66e-05
89	75	0.09	-0.06	-0.21	0.0	3.45e-04	3.16e-05
89	77	0.01	-0.06	-0.18	0.0	1.12e-04	4.93e-06
89	78	0.07	-0.05	-0.19	0.0	3.01e-04	1.98e-05
89	80	0.01	-0.05	-0.16	0.0	1.26e-04	0.0
90	3	0.16	-0.11	-0.30	0.0	4.86e-04	4.82e-05
90	5	0.14	-0.11	-0.27	0.0	4.00e-04	3.84e-05
90	7	0.15	-0.10	-0.31	0.0	4.13e-04	5.71e-05
90	20	0.17	-0.12	-0.23	0.0	5.90e-04	1.68e-06
90	32	0.07	-0.26	-0.18	0.0	2.81e-04	-8.56e-05
90	52	0.05	-0.07	-0.18	0.0	2.29e-04	-7.07e-06
90	64	0.03	-0.10	-0.17	0.0	1.58e-04	-1.65e-05
90	74	0.09	-0.08	-0.21	0.0	2.73e-04	2.78e-05
90	75	0.11	-0.08	-0.21	0.0	3.38e-04	3.26e-05
90	77	0.02	-0.08	-0.18	0.0	1.04e-04	5.69e-06
90	78	0.08	-0.06	-0.19	0.0	2.97e-04	2.01e-05
90	80	0.02	-0.06	-0.16	0.0	1.23e-04	0.0
91	3	0.18	-0.14	-0.29	5.56e-04	4.42e-04	3.81e-05
91	5	0.16	-0.14	-0.26	5.56e-04	3.61e-04	2.73e-05
91	7	0.17	-0.12	-0.30	5.36e-04	3.72e-04	3.90e-05
91	20	0.20	-0.14	-0.23	4.67e-04	5.71e-04	-1.49e-06
91	24	0.20	-0.14	-0.23	4.67e-04	5.71e-04	5.19e-06
91	32	0.08	-0.30	-0.18	8.54e-04	2.66e-04	-8.80e-05
91	52	0.06	-0.09	-0.18	3.14e-04	2.11e-04	-1.12e-05
91	56	0.06	-0.09	-0.18	3.14e-04	2.11e-04	-7.00e-06
91	64	0.04	-0.12	-0.17	3.84e-04	1.41e-04	-2.04e-05
91	74	0.10	-0.10	-0.20	4.12e-04	2.38e-04	1.99e-05
91	75	0.13	-0.10	-0.21	3.83e-04	3.08e-04	2.56e-05
91	77	0.02	-0.10	-0.18	3.72e-04	7.10e-05	0.0
91	78	0.10	-0.08	-0.19	2.85e-04	2.79e-04	1.64e-05
91	80	0.03	-0.08	-0.16	2.78e-04	1.06e-04	-4.08e-06
92	3	0.20	-0.17	-0.29	5.85e-04	4.34e-04	2.19e-05
92	5	0.18	-0.17	-0.26	5.93e-04	3.63e-04	1.25e-05
92	7	0.19	-0.15	-0.30	5.70e-04	3.73e-04	2.33e-05
92	20	0.23	-0.17	-0.23	4.74e-04	5.64e-04	-7.96e-06
92	24	0.23	-0.17	-0.23	4.74e-04	5.64e-04	-1.25e-06
92	32	0.10	-0.34	-0.18	8.64e-04	2.63e-04	-9.19e-05
92	52	0.07	-0.11	-0.18	3.21e-04	2.04e-04	-1.82e-05
92	56	0.07	-0.11	-0.18	3.21e-04	2.04e-04	-1.40e-05
92	64	0.04	-0.14	-0.17	3.92e-04	1.34e-04	-2.74e-05
92	74	0.11	-0.13	-0.20	4.33e-04	2.31e-04	7.16e-06
92	75	0.14	-0.12	-0.20	4.03e-04	3.02e-04	1.44e-05
92	77	0.03	-0.12	-0.18	3.84e-04	5.74e-05	-1.29e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

92	78	0.11	-0.09	-0.19	2.92e-04	2.71e-04	8.90e-06
92	80	0.03	-0.09	-0.16	2.86e-04	9.82e-05	-1.13e-05
93	4	0.09	-0.03	-0.27	0.0	4.76e-04	1.54e-05
93	5	0.08	-0.05	-0.34	0.0	4.38e-04	-3.34e-06
93	7	0.08	-0.03	-0.36	0.0	5.37e-04	-1.64e-05
93	10	-0.10	-0.06	-0.10	0.0	-4.62e-04	-5.49e-05
93	12	0.08	-0.05	-0.27	0.0	6.16e-04	4.24e-06
93	26	-0.04	-0.13	-0.20	0.0	-1.73e-05	-1.13e-04
93	44	0.02	-0.03	-0.20	0.0	2.49e-04	-1.25e-05
93	45	0.02	-0.02	-0.20	0.0	2.46e-04	-3.06e-06
93	58	-5.49e-03	-0.04	-0.19	0.0	1.12e-04	-3.77e-05
93	74	0.05	-0.03	-0.25	0.0	3.05e-04	-5.38e-06
93	75	0.06	-0.03	-0.25	0.0	3.67e-04	2.83e-06
93	76	0.05	-0.03	-0.24	0.0	3.08e-04	-3.53e-06
93	77	3.32e-05	-0.03	-0.21	0.0	1.32e-04	-2.36e-05
93	78	0.04	-0.02	-0.21	0.0	3.16e-04	0.0
93	80	2.08e-04	-0.02	-0.18	0.0	1.40e-04	-1.87e-05
94	4	0.11	-0.05	-0.26	0.0	4.59e-04	1.14e-05
94	5	0.10	-0.07	-0.33	0.0	4.18e-04	-7.34e-06
94	7	0.11	-0.05	-0.36	0.0	4.86e-04	-3.50e-05
94	10	-0.12	-0.08	-0.10	0.0	-4.53e-04	-4.52e-05
94	12	0.11	-0.07	-0.27	0.0	6.02e-04	1.35e-06
94	26	-0.04	-0.17	-0.20	0.0	-2.41e-05	-1.11e-04
94	44	0.03	-0.04	-0.20	0.0	2.38e-04	-1.43e-05
94	45	0.03	-0.03	-0.20	0.0	2.35e-04	-4.86e-06
94	58	-2.48e-04	-0.06	-0.19	0.0	1.02e-04	-3.87e-05
94	74	0.06	-0.05	-0.25	0.0	2.89e-04	-8.92e-06
94	75	0.08	-0.05	-0.25	0.0	3.52e-04	0.0
94	76	0.07	-0.05	-0.23	0.0	2.93e-04	-6.33e-06
94	77	6.15e-03	-0.04	-0.21	0.0	1.18e-04	-2.65e-05
94	78	0.05	-0.03	-0.21	0.0	3.05e-04	0.0
94	80	6.84e-03	-0.04	-0.18	0.0	1.30e-04	-1.99e-05
95	3	0.14	-0.09	-0.35	0.0	4.99e-04	1.83e-06
95	5	0.12	-0.10	-0.32	0.0	4.13e-04	-6.71e-06
95	7	0.13	-0.08	-0.35	0.0	4.54e-04	-3.29e-05
95	12	0.14	-0.09	-0.27	0.0	5.98e-04	1.69e-06
95	13	0.15	-3.30e-03	-0.25	0.0	5.85e-04	4.55e-05
95	26	-0.04	-0.22	-0.20	0.0	-1.99e-05	-1.10e-04
95	44	0.04	-0.06	-0.20	0.0	2.34e-04	-1.34e-05
95	45	0.04	-0.04	-0.20	0.0	2.32e-04	-4.05e-06
95	58	4.77e-03	-0.08	-0.19	0.0	9.99e-05	-3.75e-05
95	74	0.07	-0.07	-0.24	0.0	2.85e-04	-8.61e-06
95	75	0.09	-0.06	-0.24	0.0	3.47e-04	0.0
95	77	0.01	-0.06	-0.21	0.0	1.14e-04	-2.60e-05
95	78	0.07	-0.05	-0.21	0.0	3.02e-04	0.0
95	80	0.01	-0.05	-0.18	0.0	1.27e-04	-1.88e-05
96	3	0.16	-0.12	-0.34	0.0	4.84e-04	3.75e-06
96	5	0.14	-0.13	-0.32	0.0	3.98e-04	-4.72e-06
96	7	0.16	-0.11	-0.35	0.0	4.23e-04	-1.68e-05
96	12	0.17	-0.12	-0.27	0.0	5.90e-04	3.55e-06
96	13	0.17	-0.01	-0.25	0.0	5.76e-04	4.65e-05
96	32	0.06	-0.26	-0.26	0.0	2.83e-04	-9.99e-05
96	44	0.05	-0.07	-0.20	0.0	2.28e-04	-1.17e-05
96	48	0.05	-0.07	-0.20	0.0	2.28e-04	-7.56e-06
96	64	0.03	-0.10	-0.20	0.0	1.58e-04	-3.39e-05
96	74	0.09	-0.09	-0.24	0.0	2.72e-04	-6.79e-06
96	75	0.11	-0.08	-0.24	0.0	3.37e-04	1.71e-06
96	77	0.02	-0.08	-0.21	0.0	1.03e-04	-2.41e-05
96	78	0.08	-0.06	-0.21	0.0	2.97e-04	1.43e-06
96	80	0.02	-0.06	-0.18	0.0	1.22e-04	-1.73e-05
97	3	0.18	-0.15	-0.34	5.32e-04	4.32e-04	1.24e-05
97	5	0.16	-0.15	-0.31	5.28e-04	3.47e-04	3.32e-06
97	7	0.17	-0.13	-0.35	5.05e-04	3.68e-04	7.08e-06
97	12	0.20	-0.14	-0.27	4.62e-04	5.71e-04	8.33e-06
97	16	0.20	-0.14	-0.27	4.62e-04	5.71e-04	1.50e-05
97	32	0.08	-0.30	-0.26	8.45e-04	2.68e-04	-9.44e-05
97	44	0.06	-0.09	-0.20	3.05e-04	2.10e-04	-7.41e-06
97	48	0.06	-0.09	-0.20	3.05e-04	2.10e-04	-3.22e-06
97	64	0.04	-0.12	-0.20	3.75e-04	1.40e-04	-2.98e-05
97	74	0.10	-0.11	-0.24	3.93e-04	2.32e-04	0.0
97	75	0.13	-0.10	-0.24	3.67e-04	3.02e-04	7.92e-06
97	77	0.02	-0.10	-0.21	3.55e-04	6.91e-05	-1.71e-05
97	78	0.10	-0.08	-0.21	2.77e-04	2.78e-04	5.31e-06
97	80	0.03	-0.08	-0.18	2.69e-04	1.04e-04	-1.34e-05
98	3	0.16	-0.15	-0.24	4.64e-04	5.75e-04	0.0
98	5	0.13	-0.16	-0.23	4.60e-04	4.90e-04	0.0
98	7	0.16	-0.14	-0.26	4.17e-04	5.70e-04	0.0
98	16	0.20	-0.14	-0.15	4.37e-04	6.25e-04	0.0
98	30	-0.04	-0.28	-0.21	8.06e-04	9.56e-06	0.0
98	36	0.08	-0.28	-0.20	8.19e-04	3.19e-04	0.0
98	48	0.06	-0.09	-0.16	2.79e-04	2.65e-04	0.0
98	62	0.01	-0.11	-0.17	3.46e-04	1.32e-04	0.0
98	68	0.04	-0.11	-0.17	3.49e-04	1.95e-04	0.0
98	74	0.09	-0.11	-0.18	3.38e-04	3.46e-04	0.0
98	75	0.11	-0.10	-0.17	3.20e-04	4.00e-04	0.0
98	77	0.02	-0.10	-0.20	3.07e-04	1.69e-04	0.0
98	78	0.10	-0.08	-0.15	2.53e-04	3.32e-04	0.0
98	80	0.03	-0.07	-0.16	2.43e-04	1.59e-04	0.0
99	4	0.09	-0.03	-0.30	3.95e-04	4.62e-04	3.23e-05
99	5	0.08	-0.06	-0.38	5.46e-04	4.23e-04	1.60e-05
99	7	0.08	-0.04	-0.41	5.32e-04	4.88e-04	3.17e-05
99	10	-0.10	-0.06	-0.14	4.23e-04	-4.39e-04	-5.18e-05
99	26	-0.04	-0.13	-0.27	8.44e-04	-1.37e-05	-1.07e-04
99	28	0.01	-0.13	-0.33	8.58e-04	3.00e-04	-8.71e-05
99	42	-0.02	-0.03	-0.19	3.04e-04	2.89e-05	-2.57e-05
99	58	-8.82e-03	-0.04	-0.22	3.81e-04	1.07e-04	-2.89e-05
99	60	1.13e-03	-0.04	-0.23	3.84e-04	1.70e-04	-2.21e-05
99	74	0.05	-0.04	-0.28	4.07e-04	2.93e-04	1.03e-05
99	75	0.06	-0.03	-0.28	3.79e-04	3.55e-04	1.71e-05
99	76	0.05	-0.04	-0.27	3.77e-04	2.97e-04	1.05e-05
99	77	-2.10e-03	-0.03	-0.24	3.68e-04	1.22e-04	-9.96e-06

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

99	78	0.04	-0.02	-0.24	2.86e-04	3.08e-04	1.05e-05
99	79	6.63e-03	-0.03	-0.20	2.77e-04	1.34e-04	-9.56e-06
99	80	-1.49e-03	-0.02	-0.21	2.77e-04	1.33e-04	-9.68e-06
100	4	0.11	-0.05	-0.29	3.89e-04	4.57e-04	3.12e-05
100	5	0.10	-0.09	-0.38	5.39e-04	4.17e-04	1.57e-05
100	7	0.11	-0.06	-0.40	5.20e-04	4.77e-04	2.98e-05
100	10	-0.13	-0.08	-0.14	4.21e-04	-4.39e-04	-4.04e-05
100	26	-0.05	-0.17	-0.27	8.40e-04	-1.77e-05	-1.01e-04
100	28	0.03	-0.17	-0.33	8.54e-04	2.94e-04	-8.47e-05
100	45	0.03	-0.03	-0.22	2.47e-04	2.35e-04	5.92e-06
100	58	-3.60e-03	-0.06	-0.22	3.78e-04	1.03e-04	-2.76e-05
100	60	9.52e-03	-0.06	-0.23	3.81e-04	1.67e-04	-2.12e-05
100	74	0.06	-0.06	-0.28	4.02e-04	2.88e-04	9.87e-06
100	75	0.08	-0.05	-0.28	3.74e-04	3.50e-04	1.66e-05
100	76	0.07	-0.06	-0.26	3.72e-04	2.92e-04	1.02e-05
100	77	3.82e-03	-0.04	-0.24	3.64e-04	1.17e-04	-9.85e-06
100	78	0.05	-0.03	-0.24	2.82e-04	3.05e-04	1.04e-05
100	80	5.08e-03	-0.04	-0.21	2.74e-04	1.30e-04	-9.28e-06
101	3	0.14	-0.10	-0.39	5.39e-04	5.00e-04	2.28e-05
101	5	0.12	-0.11	-0.37	5.35e-04	4.14e-04	1.36e-05
101	7	0.13	-0.09	-0.40	5.12e-04	4.70e-04	2.61e-05
101	13	0.15	-3.35e-03	-0.26	1.55e-04	5.85e-04	4.83e-05
101	26	-0.05	-0.22	-0.27	8.38e-04	-1.79e-05	-9.87e-05
101	28	0.04	-0.21	-0.33	8.52e-04	2.93e-04	-8.35e-05
101	45	0.04	-0.04	-0.22	2.46e-04	2.33e-04	5.05e-06
101	58	1.54e-03	-0.08	-0.22	3.76e-04	1.02e-04	-2.75e-05
101	60	0.02	-0.08	-0.23	3.79e-04	1.66e-04	-2.13e-05
101	74	0.07	-0.08	-0.28	3.99e-04	2.85e-04	8.24e-06
101	75	0.09	-0.07	-0.28	3.72e-04	3.48e-04	1.50e-05
101	76	0.08	-0.08	-0.26	3.69e-04	2.90e-04	8.84e-06
101	77	9.64e-03	-0.06	-0.24	3.61e-04	1.16e-04	-1.08e-05
101	78	0.07	-0.05	-0.24	2.80e-04	3.04e-04	9.45e-06
101	80	0.01	-0.05	-0.21	2.73e-04	1.29e-04	-9.69e-06
102	3	0.16	-0.13	-0.39	5.33e-04	4.93e-04	1.88e-05
102	5	0.14	-0.14	-0.36	5.29e-04	4.08e-04	9.83e-06
102	7	0.15	-0.11	-0.39	5.03e-04	4.60e-04	2.09e-05
102	13	0.18	-0.01	-0.26	1.54e-04	5.82e-04	4.86e-05
102	28	0.06	-0.26	-0.33	8.48e-04	2.91e-04	-8.34e-05
102	32	0.05	-0.26	-0.33	8.48e-04	2.91e-04	-9.00e-05
102	45	0.05	-0.05	-0.22	2.43e-04	2.31e-04	3.94e-06
102	60	0.03	-0.10	-0.23	3.76e-04	1.64e-04	-2.24e-05
102	64	0.03	-0.10	-0.23	3.76e-04	1.64e-04	-2.66e-05
102	74	0.09	-0.10	-0.28	3.94e-04	2.81e-04	5.49e-06
102	75	0.11	-0.09	-0.27	3.67e-04	3.44e-04	1.24e-05
102	76	0.10	-0.10	-0.25	3.65e-04	2.86e-04	6.27e-06
102	77	0.02	-0.08	-0.24	3.57e-04	1.12e-04	-1.27e-05
102	78	0.08	-0.06	-0.24	2.78e-04	3.01e-04	7.87e-06
102	80	0.02	-0.06	-0.21	2.70e-04	1.27e-04	-1.08e-05
103	3	0.19	-0.16	-0.38	5.27e-04	4.85e-04	1.62e-05
103	5	0.16	-0.17	-0.35	5.23e-04	4.00e-04	7.20e-06
103	7	0.18	-0.14	-0.39	4.95e-04	4.50e-04	1.76e-05
103	13	0.21	-0.02	-0.26	1.53e-04	5.79e-04	4.97e-05
103	28	0.07	-0.30	-0.33	8.44e-04	2.91e-04	-8.33e-05
103	32	0.07	-0.30	-0.33	8.44e-04	2.91e-04	-9.00e-05
103	45	0.06	-0.06	-0.22	2.41e-04	2.28e-04	3.39e-06
103	60	0.03	-0.11	-0.23	3.74e-04	1.62e-04	-2.32e-05
103	64	0.03	-0.12	-0.23	3.74e-04	1.62e-04	-2.74e-05
103	74	0.10	-0.11	-0.27	3.88e-04	2.74e-04	3.69e-06
103	75	0.13	-0.11	-0.27	3.63e-04	3.38e-04	1.06e-05
103	77	0.02	-0.10	-0.24	3.52e-04	1.07e-04	-1.39e-05
103	78	0.10	-0.08	-0.24	2.76e-04	2.99e-04	6.82e-06
103	80	0.02	-0.08	-0.21	2.67e-04	1.25e-04	-1.15e-05
104	3	0.16	-0.14	-0.16	6.27e-04	5.50e-04	0.0
104	7	0.15	-0.12	-0.18	6.32e-04	5.38e-04	0.0
104	20	0.20	-0.14	-0.08	4.94e-04	6.17e-04	0.0
104	36	0.09	-0.28	-0.07	8.78e-04	3.10e-04	0.0
104	39	-0.04	0.10	-0.16	-1.59e-04	-4.27e-05	0.0
104	52	0.06	-0.09	-0.11	3.44e-04	2.56e-04	0.0
104	68	0.04	-0.11	-0.11	4.13e-04	1.87e-04	0.0
104	71	0.01	-0.04	-0.13	2.02e-04	1.14e-04	0.0
104	74	0.09	-0.10	-0.12	4.70e-04	3.26e-04	0.0
104	75	0.11	-0.10	-0.11	4.33e-04	3.83e-04	0.0
104	77	0.02	-0.10	-0.14	4.25e-04	1.52e-04	0.0
104	78	0.09	-0.08	-0.11	3.13e-04	3.24e-04	0.0
104	80	0.03	-0.07	-0.12	3.08e-04	1.50e-04	0.0
105	4	0.08	-0.04	-0.27	4.03e-04	0.0	5.25e-05
105	5	0.07	-0.06	-0.36	5.57e-04	0.0	4.06e-05
105	7	0.08	-0.04	-0.37	5.64e-04	0.0	8.35e-05
105	10	-0.10	-0.05	-0.17	4.34e-04	0.0	-4.96e-05
105	26	-0.04	-0.13	-0.28	8.54e-04	0.0	-9.57e-05
105	28	0.01	-0.12	-0.31	8.68e-04	0.0	-7.25e-05
105	42	-0.02	-0.03	-0.19	3.10e-04	0.0	-1.36e-05
105	58	-8.89e-03	-0.04	-0.21	3.88e-04	0.0	-1.62e-05
105	60	1.06e-03	-0.04	-0.22	3.91e-04	0.0	-9.20e-06
105	74	0.04	-0.04	-0.27	4.16e-04	0.0	3.01e-05
105	75	0.05	-0.03	-0.26	3.87e-04	0.0	3.49e-05
105	76	0.05	-0.04	-0.25	3.85e-04	0.0	2.82e-05
105	77	-2.20e-03	-0.03	-0.24	3.76e-04	0.0	8.21e-06
105	78	0.04	-0.02	-0.22	2.91e-04	0.0	2.27e-05
105	79	3.31e-03	-0.03	-0.20	2.83e-04	0.0	2.60e-06
105	80	-1.56e-03	-0.02	-0.20	2.83e-04	0.0	2.62e-06
106	4	0.11	-0.06	-0.26	3.88e-04	0.0	5.63e-05
106	5	0.09	-0.09	-0.35	5.39e-04	0.0	4.58e-05
106	7	0.10	-0.07	-0.37	5.22e-04	0.0	1.01e-04
106	10	-0.13	-0.08	-0.17	4.24e-04	0.0	-4.55e-05
106	26	-0.05	-0.17	-0.28	8.43e-04	0.0	-9.08e-05
106	28	0.03	-0.17	-0.31	8.56e-04	0.0	-6.81e-05
106	45	0.03	-0.03	-0.20	2.46e-04	0.0	2.06e-05
106	60	9.44e-03	-0.06	-0.22	3.81e-04	0.0	-6.37e-06
106	64	8.76e-03	-0.06	-0.22	3.81e-04	0.0	-1.05e-05
106	74	0.06	-0.06	-0.26	4.01e-04	0.0	3.41e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

106	75	0.07	-0.05	-0.26	3.74e-04	0.0	3.84e-05
106	76	0.06	-0.06	-0.25	3.71e-04	0.0	3.18e-05
106	77	3.72e-03	-0.05	-0.24	3.63e-04	0.0	1.18e-05
106	78	0.05	-0.03	-0.22	2.81e-04	0.0	2.48e-05
106	80	5.01e-03	-0.04	-0.20	2.74e-04	0.0	4.82e-06
107	3	0.13	-0.11	-0.36	5.32e-04	0.0	5.23e-05
107	5	0.11	-0.12	-0.34	5.29e-04	0.0	4.25e-05
107	7	0.12	-0.09	-0.37	4.93e-04	0.0	9.39e-05
107	13	0.15	-6.98e-03	-0.22	1.52e-04	0.0	6.07e-05
107	28	0.04	-0.21	-0.31	8.50e-04	0.0	-6.88e-05
107	32	0.04	-0.21	-0.31	8.50e-04	0.0	-7.55e-05
107	45	0.04	-0.04	-0.20	2.42e-04	0.0	1.84e-05
107	60	0.02	-0.08	-0.22	3.76e-04	0.0	-8.12e-06
107	64	0.02	-0.08	-0.22	3.76e-04	0.0	-1.23e-05
107	74	0.07	-0.08	-0.26	3.94e-04	0.0	3.15e-05
107	75	0.09	-0.07	-0.25	3.67e-04	0.0	3.58e-05
107	76	0.07	-0.08	-0.24	3.64e-04	0.0	2.92e-05
107	77	9.55e-03	-0.06	-0.24	3.57e-04	0.0	9.51e-06
107	78	0.07	-0.05	-0.22	2.76e-04	0.0	2.26e-05
107	80	0.01	-0.05	-0.20	2.69e-04	0.0	2.82e-06
108	3	0.15	-0.13	-0.35	5.17e-04	0.0	4.16e-05
108	5	0.13	-0.14	-0.33	5.13e-04	0.0	3.21e-05
108	7	0.15	-0.12	-0.36	4.66e-04	0.0	6.66e-05
108	13	0.18	-0.01	-0.22	1.52e-04	0.0	5.79e-05
108	28	0.06	-0.25	-0.31	8.42e-04	0.0	-7.34e-05
108	32	0.05	-0.25	-0.31	8.42e-04	0.0	-8.01e-05
108	45	0.05	-0.05	-0.20	2.37e-04	0.0	1.34e-05
108	60	0.03	-0.09	-0.22	3.69e-04	0.0	-1.31e-05
108	64	0.03	-0.10	-0.22	3.69e-04	0.0	-1.73e-05
108	74	0.08	-0.10	-0.26	3.81e-04	0.0	2.33e-05
108	75	0.11	-0.09	-0.25	3.56e-04	0.0	2.82e-05
108	76	0.09	-0.10	-0.24	3.54e-04	0.0	2.18e-05
108	77	0.02	-0.08	-0.24	3.46e-04	0.0	2.55e-06
108	78	0.08	-0.06	-0.22	2.71e-04	0.0	1.73e-05
108	80	0.02	-0.06	-0.20	2.63e-04	0.0	-1.96e-06
109	3	0.20	-0.17	-0.26	6.11e-04	4.00e-04	2.18e-05
109	5	0.16	-0.17	-0.23	6.22e-04	3.15e-04	1.24e-05
109	7	0.19	-0.15	-0.28	6.02e-04	3.43e-04	2.46e-05
109	17	0.23	-0.03	-0.20	1.72e-04	5.44e-04	4.83e-05
109	20	0.23	-0.17	-0.20	4.81e-04	5.59e-04	-8.28e-06
109	32	0.10	-0.34	-0.17	8.72e-04	2.58e-04	-8.87e-05
109	49	0.07	-0.08	-0.16	2.66e-04	1.95e-04	1.07e-06
109	52	0.07	-0.10	-0.16	3.29e-04	1.98e-04	-1.77e-05
109	64	0.04	-0.13	-0.16	4.00e-04	1.29e-04	-2.64e-05
109	74	0.11	-0.13	-0.19	4.54e-04	2.07e-04	7.68e-06
109	75	0.14	-0.12	-0.19	4.20e-04	2.79e-04	1.44e-05
109	77	0.03	-0.12	-0.18	3.99e-04	4.82e-05	-1.15e-05
109	78	0.11	-0.09	-0.17	2.99e-04	2.66e-04	8.75e-06
109	80	0.03	-0.09	-0.15	2.94e-04	9.28e-05	-1.05e-05
110	3	0.17	-0.14	-0.20	6.38e-04	4.54e-04	3.47e-05
110	7	0.16	-0.12	-0.22	6.45e-04	4.18e-04	4.17e-05
110	20	0.20	-0.14	-0.13	5.00e-04	5.85e-04	-2.61e-06
110	32	0.09	-0.29	-0.09	8.80e-04	2.81e-04	-8.96e-05
110	37	0.07	0.10	-0.16	-1.40e-04	2.40e-04	4.12e-05
110	52	0.06	-0.09	-0.13	3.48e-04	2.25e-04	-1.31e-05
110	64	0.04	-0.11	-0.12	4.17e-04	1.55e-04	-2.29e-05
110	69	0.04	-0.04	-0.14	2.09e-04	1.47e-04	0.0
110	74	0.09	-0.10	-0.15	4.77e-04	2.52e-04	1.73e-05
110	75	0.12	-0.09	-0.14	4.40e-04	3.17e-04	2.33e-05
110	77	0.02	-0.10	-0.15	4.31e-04	9.57e-05	-4.06e-06
110	78	0.09	-0.08	-0.13	3.18e-04	2.93e-04	1.41e-05
110	80	0.03	-0.07	-0.13	3.11e-04	1.19e-04	-6.45e-06
111	4	0.08	-0.04	-0.24	4.14e-04	0.0	3.81e-05
111	5	0.06	-0.06	-0.33	5.70e-04	0.0	2.34e-05
111	7	0.07	-0.05	-0.34	5.96e-04	0.0	4.36e-05
111	10	-0.10	-0.05	-0.19	4.40e-04	0.0	-5.62e-05
111	28	0.01	-0.12	-0.29	8.76e-04	0.0	-8.05e-05
111	32	0.01	-0.12	-0.29	8.76e-04	0.0	-8.72e-05
111	42	-0.02	-0.03	-0.19	3.16e-04	0.0	-2.12e-05
111	60	9.97e-04	-0.04	-0.21	3.98e-04	0.0	-1.76e-05
111	64	3.11e-04	-0.04	-0.21	3.98e-04	0.0	-2.18e-05
111	74	0.04	-0.04	-0.25	4.26e-04	0.0	1.65e-05
111	75	0.05	-0.04	-0.24	3.96e-04	0.0	2.24e-05
111	76	0.04	-0.04	-0.23	3.94e-04	0.0	1.59e-05
111	77	-2.30e-03	-0.03	-0.23	3.85e-04	0.0	-3.57e-06
111	78	0.04	-0.02	-0.20	2.97e-04	0.0	1.41e-05
111	79	-2.19e-06	-0.03	-0.19	2.89e-04	0.0	-5.45e-06
111	80	-1.62e-03	-0.02	-0.19	2.89e-04	0.0	-5.42e-06
112	4	0.10	-0.06	-0.24	3.88e-04	0.0	3.98e-05
112	5	0.08	-0.09	-0.32	5.39e-04	0.0	2.49e-05
112	7	0.09	-0.07	-0.34	5.27e-04	0.0	4.91e-05
112	10	-0.13	-0.07	-0.19	4.24e-04	0.0	-5.71e-05
112	28	0.03	-0.16	-0.29	8.57e-04	0.0	-7.96e-05
112	32	0.03	-0.16	-0.29	8.57e-04	0.0	-8.62e-05
112	45	0.03	-0.03	-0.19	2.46e-04	0.0	1.07e-05
112	60	9.35e-03	-0.06	-0.21	3.81e-04	0.0	-1.72e-05
112	64	8.66e-03	-0.06	-0.21	3.81e-04	0.0	-2.14e-05
112	74	0.05	-0.06	-0.24	4.01e-04	0.0	1.77e-05
112	75	0.07	-0.06	-0.23	3.74e-04	0.0	2.37e-05
112	76	0.05	-0.06	-0.23	3.71e-04	0.0	1.69e-05
112	77	3.57e-03	-0.05	-0.23	3.63e-04	0.0	-3.07e-06
112	78	0.05	-0.04	-0.20	2.81e-04	0.0	1.49e-05
112	80	4.91e-03	-0.04	-0.19	2.73e-04	0.0	-5.17e-06
113	3	0.12	-0.11	-0.33	5.26e-04	0.0	3.35e-05
113	5	0.10	-0.12	-0.31	5.22e-04	0.0	2.34e-05
113	7	0.12	-0.10	-0.34	4.76e-04	0.0	4.71e-05
113	13	0.15	-0.01	-0.18	1.50e-04	0.0	5.99e-05
113	28	0.04	-0.21	-0.29	8.47e-04	0.0	-8.01e-05
113	32	0.04	-0.21	-0.29	8.47e-04	0.0	-8.68e-05
113	45	0.04	-0.04	-0.19	2.39e-04	0.0	9.82e-06
113	60	0.02	-0.08	-0.21	3.73e-04	0.0	-1.81e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

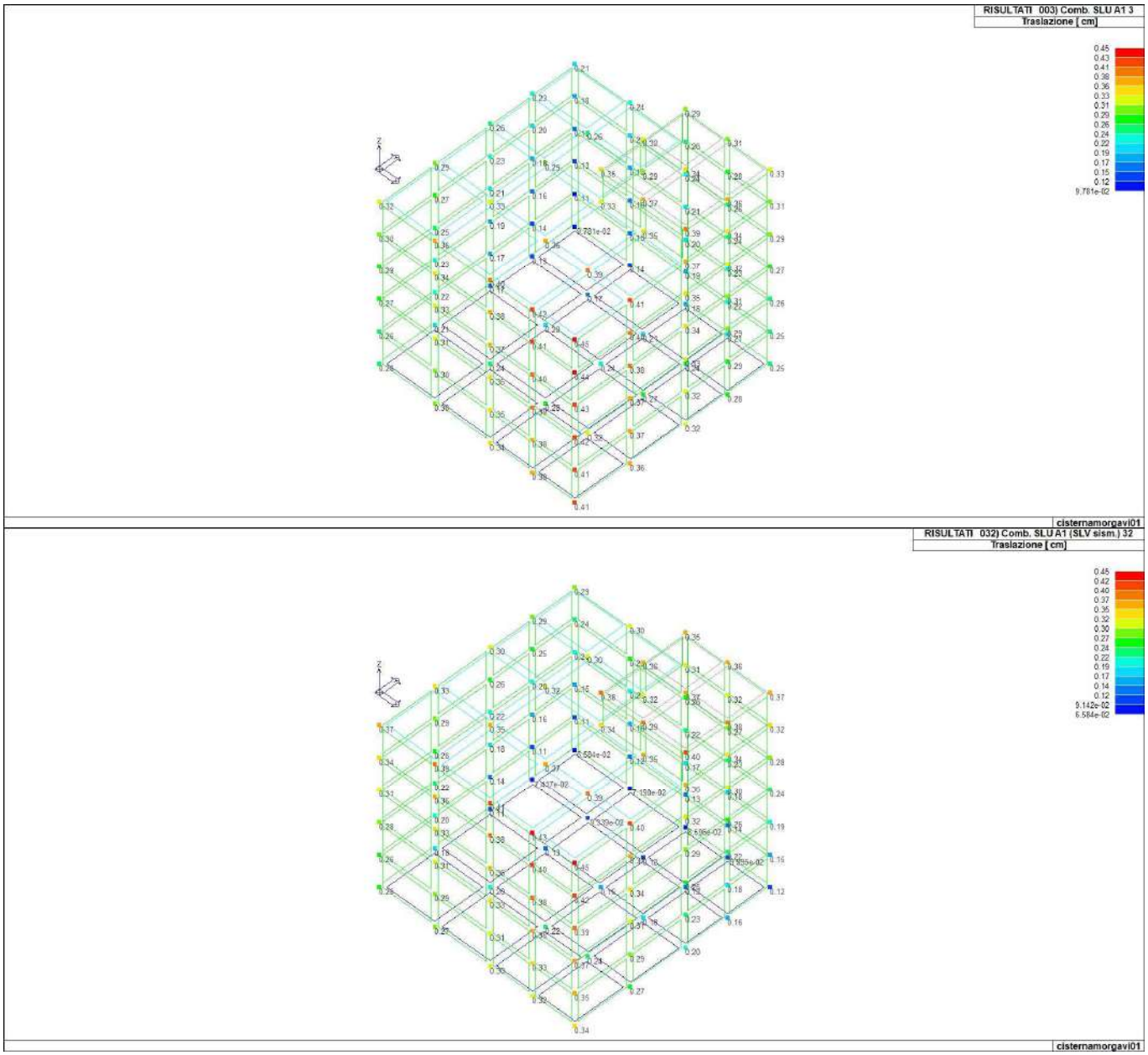
113	64	0.02	-0.08	-0.21	3.73e-04	0.0	-2.23e-05
113	74	0.07	-0.08	-0.24	3.88e-04	0.0	1.65e-05
113	75	0.08	-0.07	-0.23	3.62e-04	0.0	2.26e-05
113	76	0.07	-0.08	-0.22	3.59e-04	0.0	1.58e-05
113	77	9.41e-03	-0.06	-0.23	3.53e-04	0.0	-4.31e-06
113	78	0.07	-0.05	-0.20	2.73e-04	0.0	1.41e-05
113	80	0.01	-0.05	-0.19	2.66e-04	0.0	-6.11e-06
114	3	0.15	-0.13	-0.32	5.00e-04	0.0	2.89e-05
114	5	0.12	-0.14	-0.31	4.96e-04	0.0	1.91e-05
114	7	0.14	-0.12	-0.33	4.30e-04	0.0	3.82e-05
114	13	0.18	-0.02	-0.18	1.47e-04	0.0	5.80e-05
114	28	0.06	-0.25	-0.29	8.34e-04	0.0	-8.20e-05
114	32	0.05	-0.25	-0.29	8.34e-04	0.0	-8.86e-05
114	45	0.05	-0.05	-0.19	2.30e-04	0.0	8.09e-06
114	60	0.03	-0.09	-0.21	3.62e-04	0.0	-1.99e-05
114	64	0.03	-0.09	-0.21	3.62e-04	0.0	-2.41e-05
114	74	0.08	-0.10	-0.24	3.68e-04	0.0	1.31e-05
114	75	0.10	-0.09	-0.23	3.44e-04	0.0	1.94e-05
114	76	0.08	-0.10	-0.22	3.42e-04	0.0	1.28e-05
114	77	0.02	-0.08	-0.23	3.35e-04	0.0	-6.87e-06
114	78	0.08	-0.06	-0.20	2.63e-04	0.0	1.19e-05
114	80	0.02	-0.06	-0.19	2.57e-04	0.0	-7.79e-06
115	3	0.17	-0.16	-0.32	4.43e-04	4.97e-04	2.20e-05
115	5	0.14	-0.17	-0.30	4.39e-04	4.11e-04	1.24e-05
115	7	0.17	-0.14	-0.33	3.70e-04	4.69e-04	2.66e-05
115	13	0.21	-0.03	-0.18	1.26e-04	5.83e-04	5.53e-05
115	28	0.07	-0.29	-0.29	8.12e-04	2.93e-04	-8.46e-05
115	32	0.07	-0.29	-0.29	8.12e-04	2.93e-04	-9.12e-05
115	45	0.06	-0.06	-0.19	2.09e-04	2.33e-04	5.60e-06
115	60	0.03	-0.11	-0.21	3.41e-04	1.66e-04	-2.24e-05
115	64	0.03	-0.11	-0.21	3.41e-04	1.66e-04	-2.65e-05
115	74	0.09	-0.12	-0.24	3.22e-04	2.84e-04	7.92e-06
115	75	0.12	-0.11	-0.22	3.05e-04	3.46e-04	1.46e-05
115	77	0.02	-0.10	-0.23	2.95e-04	1.15e-04	-1.10e-05
115	78	0.10	-0.08	-0.20	2.44e-04	3.03e-04	9.06e-06
115	80	0.02	-0.07	-0.19	2.36e-04	1.30e-04	-1.02e-05
116	3	0.17	-0.15	-0.28	4.53e-04	4.72e-04	0.0
116	5	0.14	-0.15	-0.27	4.49e-04	3.86e-04	0.0
116	7	0.16	-0.13	-0.30	4.05e-04	4.37e-04	0.0
116	16	0.20	-0.14	-0.20	4.31e-04	5.88e-04	0.0
116	28	0.08	-0.29	-0.22	8.14e-04	2.85e-04	0.0
116	32	0.08	-0.29	-0.22	8.14e-04	2.85e-04	0.0
116	48	0.06	-0.09	-0.18	2.75e-04	2.27e-04	0.0
116	60	0.04	-0.11	-0.18	3.44e-04	1.57e-04	0.0
116	64	0.04	-0.11	-0.18	3.44e-04	1.57e-04	0.0
116	74	0.09	-0.11	-0.21	3.30e-04	2.64e-04	0.0
116	75	0.12	-0.10	-0.20	3.12e-04	3.29e-04	0.0
116	77	0.02	-0.10	-0.21	3.00e-04	9.81e-05	0.0
116	78	0.10	-0.08	-0.18	2.47e-04	2.94e-04	0.0
116	80	0.03	-0.07	-0.17	2.39e-04	1.21e-04	0.0
117	4	0.07	-0.04	-0.20	4.08e-04	0.0	1.31e-05
117	5	0.04	-0.06	-0.29	5.61e-04	0.0	-7.69e-06
117	7	0.06	-0.05	-0.30	5.75e-04	0.0	-1.77e-05
117	10	-0.10	-0.05	-0.23	4.34e-04	0.0	-7.14e-05
117	34	-0.04	-0.11	-0.28	8.56e-04	0.0	-9.61e-05
117	36	0.02	-0.11	-0.26	8.70e-04	0.0	-7.36e-05
117	42	-0.02	-0.02	-0.19	3.12e-04	0.0	-3.67e-05
117	66	-6.75e-03	-0.04	-0.20	3.90e-04	0.0	-2.62e-05
117	68	3.19e-03	-0.04	-0.19	3.93e-04	0.0	-1.95e-05
117	74	0.03	-0.04	-0.22	4.18e-04	0.0	-8.15e-06
117	75	0.04	-0.04	-0.21	3.90e-04	0.0	0.0
117	76	0.03	-0.04	-0.21	3.87e-04	0.0	-6.35e-06
117	77	-2.44e-03	-0.03	-0.22	3.78e-04	0.0	-2.61e-05
117	78	0.04	-0.02	-0.17	2.93e-04	0.0	0.0
117	79	-4.34e-03	-0.03	-0.18	2.84e-04	0.0	-2.07e-05
117	80	-1.72e-03	-0.02	-0.18	2.84e-04	0.0	-2.07e-05
118	4	0.09	-0.06	-0.20	3.88e-04	0.0	8.05e-06
118	5	0.06	-0.09	-0.29	5.37e-04	0.0	-1.45e-05
118	7	0.09	-0.07	-0.30	5.21e-04	0.0	-3.66e-05
118	10	-0.13	-0.07	-0.23	4.21e-04	0.0	-7.50e-05
118	34	-0.04	-0.15	-0.28	8.42e-04	0.0	-1.01e-04
118	36	0.03	-0.16	-0.26	8.56e-04	0.0	-7.82e-05
118	45	0.03	-0.03	-0.17	2.45e-04	0.0	-7.50e-06
118	66	-1.63e-03	-0.05	-0.20	3.77e-04	0.0	-2.97e-05
118	68	0.01	-0.05	-0.19	3.80e-04	0.0	-2.30e-05
118	74	0.05	-0.06	-0.22	4.00e-04	0.0	-1.35e-05
118	75	0.06	-0.06	-0.20	3.73e-04	0.0	-4.35e-06
118	76	0.04	-0.06	-0.20	3.70e-04	0.0	-1.10e-05
118	77	3.35e-03	-0.04	-0.22	3.61e-04	0.0	-3.10e-05
118	78	0.05	-0.04	-0.17	2.81e-04	0.0	-3.64e-06
118	80	4.77e-03	-0.03	-0.18	2.72e-04	0.0	-2.37e-05
119	3	0.12	-0.11	-0.28	5.26e-04	0.0	-3.85e-06
119	5	0.09	-0.12	-0.28	5.23e-04	0.0	-1.38e-05
119	7	0.11	-0.10	-0.30	4.82e-04	0.0	-3.35e-05
119	13	0.15	-0.02	-0.13	1.49e-04	0.0	5.24e-05
119	34	-0.04	-0.20	-0.28	8.35e-04	0.0	-1.01e-04
119	36	0.04	-0.20	-0.26	8.48e-04	0.0	-7.82e-05
119	45	0.04	-0.04	-0.17	2.40e-04	0.0	-6.34e-06
119	66	3.53e-03	-0.07	-0.20	3.71e-04	0.0	-2.88e-05
119	68	0.02	-0.07	-0.19	3.74e-04	0.0	-2.21e-05
119	74	0.06	-0.08	-0.22	3.89e-04	0.0	-1.28e-05
119	75	0.08	-0.07	-0.20	3.63e-04	0.0	-3.60e-06
119	76	0.06	-0.08	-0.20	3.60e-04	0.0	-1.03e-05
119	77	9.20e-03	-0.06	-0.22	3.54e-04	0.0	-3.03e-05
119	78	0.07	-0.05	-0.17	2.74e-04	0.0	-2.59e-06
119	80	0.01	-0.05	-0.18	2.67e-04	0.0	-2.26e-05
120	3	0.14	-0.14	-0.28	5.05e-04	0.0	3.10e-06
120	5	0.11	-0.14	-0.27	5.03e-04	0.0	-6.61e-06
120	7	0.13	-0.12	-0.29	4.47e-04	0.0	-1.28e-05
120	13	0.18	-0.02	-0.14	1.46e-04	0.0	5.31e-05
120	34	-0.04	-0.24	-0.28	8.26e-04	0.0	-9.68e-05

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

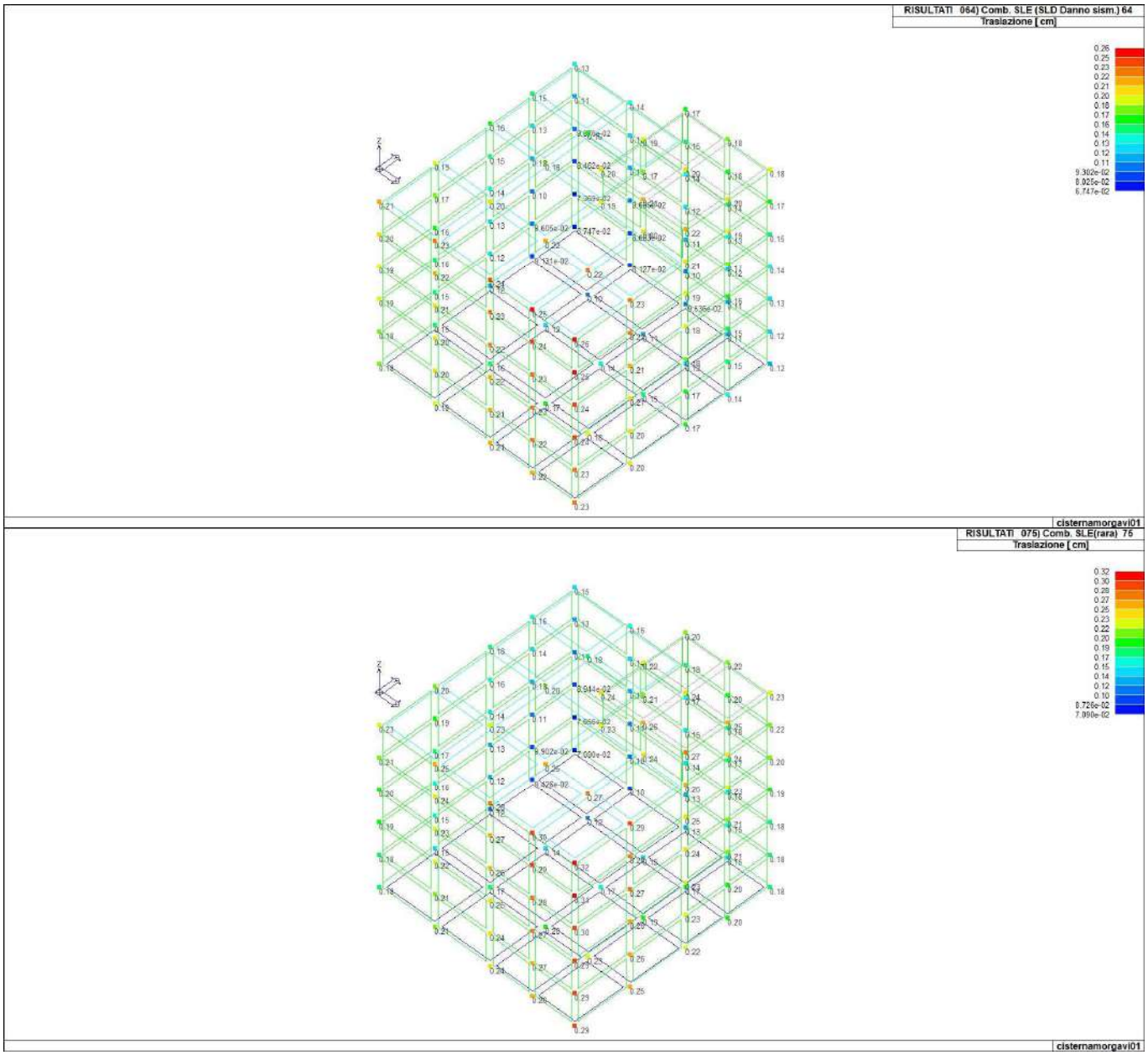
120	36	0.06	-0.24	-0.26	8.38e-04	0.0	-7.45e-05
120	45	0.05	-0.05	-0.17	2.33e-04	0.0	-2.43e-06
120	66	8.72e-03	-0.09	-0.20	3.64e-04	0.0	-2.47e-05
120	68	0.03	-0.09	-0.19	3.66e-04	0.0	-1.79e-05
120	74	0.07	-0.10	-0.21	3.73e-04	0.0	-7.15e-06
120	75	0.10	-0.09	-0.20	3.48e-04	0.0	1.43e-06
120	76	0.07	-0.10	-0.19	3.46e-04	0.0	-5.13e-06
120	77	0.02	-0.08	-0.22	3.41e-04	0.0	-2.47e-05
120	78	0.08	-0.06	-0.17	2.66e-04	0.0	1.00e-06
120	80	0.02	-0.06	-0.18	2.60e-04	0.0	-1.86e-05
121	3	0.17	-0.16	-0.28	4.63e-04	5.13e-04	1.67e-05
121	5	0.13	-0.17	-0.26	4.59e-04	4.28e-04	7.25e-06
121	7	0.16	-0.14	-0.29	4.00e-04	4.92e-04	1.52e-05
121	13	0.21	-0.03	-0.14	1.31e-04	5.89e-04	5.54e-05
121	34	-0.04	-0.28	-0.28	8.08e-04	-1.37e-05	-9.00e-05
121	36	0.07	-0.28	-0.26	8.21e-04	2.95e-04	-6.81e-05
121	45	0.06	-0.07	-0.17	2.17e-04	2.39e-04	3.61e-06
121	66	0.01	-0.11	-0.20	3.47e-04	1.08e-04	-1.81e-05
121	68	0.04	-0.11	-0.19	3.50e-04	1.71e-04	-1.14e-05
121	74	0.09	-0.12	-0.21	3.38e-04	2.97e-04	3.84e-06
121	75	0.11	-0.11	-0.19	3.19e-04	3.58e-04	1.09e-05
121	77	0.02	-0.10	-0.22	3.09e-04	1.27e-04	-1.46e-05
121	78	0.10	-0.08	-0.17	2.52e-04	3.09e-04	6.66e-06
121	80	0.02	-0.07	-0.18	2.44e-04	1.36e-04	-1.25e-05
122	3	0.17	-0.14	-0.24	5.84e-04	4.50e-04	2.41e-05
122	7	0.16	-0.13	-0.26	5.72e-04	4.11e-04	2.86e-05
122	17	0.20	-0.03	-0.16	1.68e-04	5.69e-04	5.04e-05
122	20	0.20	-0.14	-0.16	4.76e-04	5.82e-04	-7.87e-06
122	32	0.08	-0.29	-0.15	8.63e-04	2.79e-04	-8.96e-05
122	49	0.06	-0.06	-0.15	2.61e-04	2.18e-04	2.72e-06
122	52	0.06	-0.09	-0.15	3.23e-04	2.21e-04	-1.64e-05
122	64	0.04	-0.11	-0.15	3.93e-04	1.51e-04	-2.56e-05
122	74	0.09	-0.10	-0.18	4.34e-04	2.47e-04	9.74e-06
122	75	0.12	-0.10	-0.17	4.02e-04	3.14e-04	1.61e-05
122	77	0.02	-0.10	-0.18	3.90e-04	8.69e-05	-9.26e-06
122	78	0.10	-0.08	-0.15	2.94e-04	2.89e-04	9.74e-06
122	80	0.03	-0.07	-0.15	2.88e-04	1.15e-04	-9.26e-06

Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.19	-0.34	-0.41	-2.50e-04	-5.13e-04	-1.13e-04
	0.23	0.11	0.01	9.16e-04	6.61e-04	1.09e-04

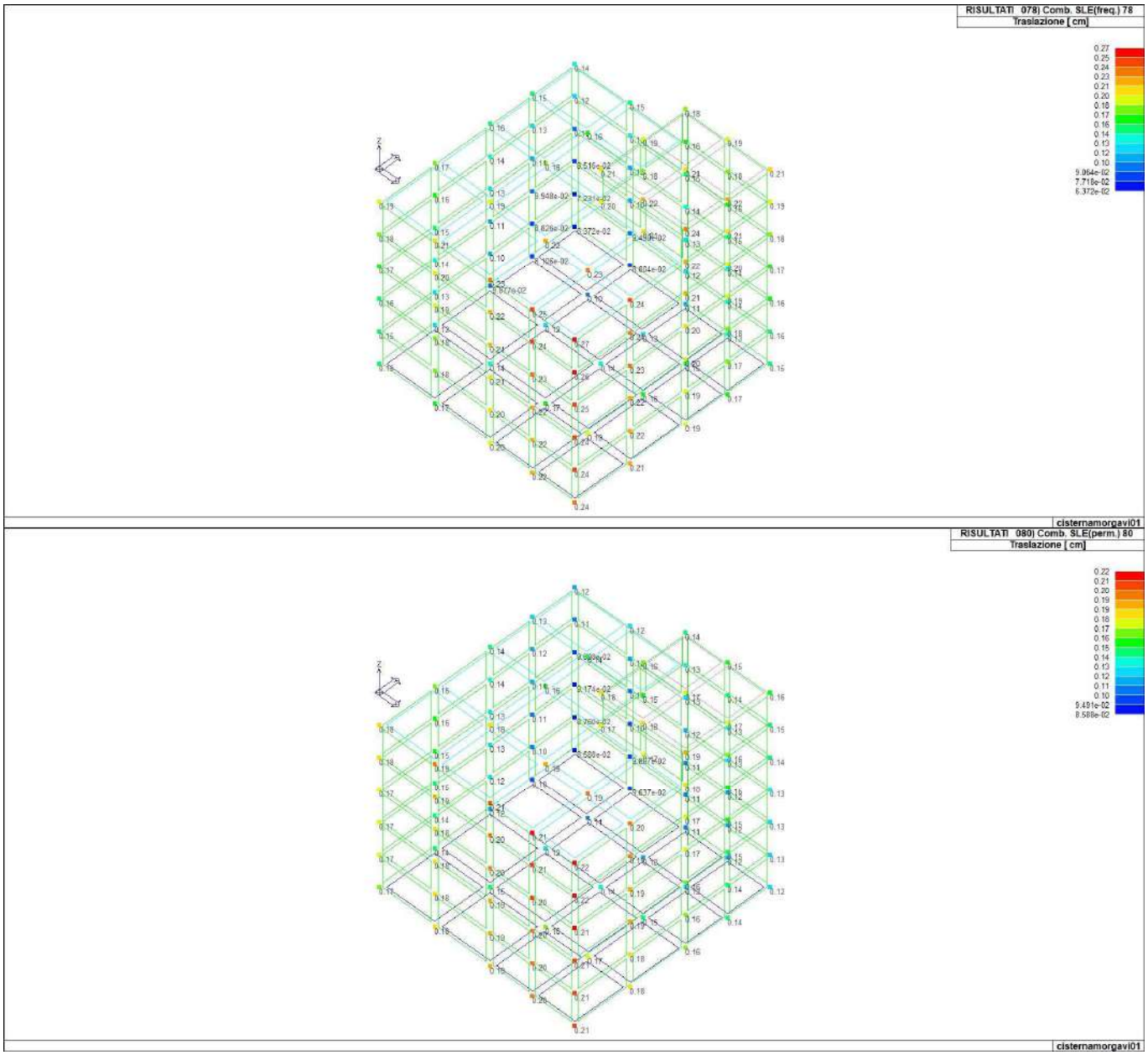
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



RISULTATI OPERE DI FONDAZIONE

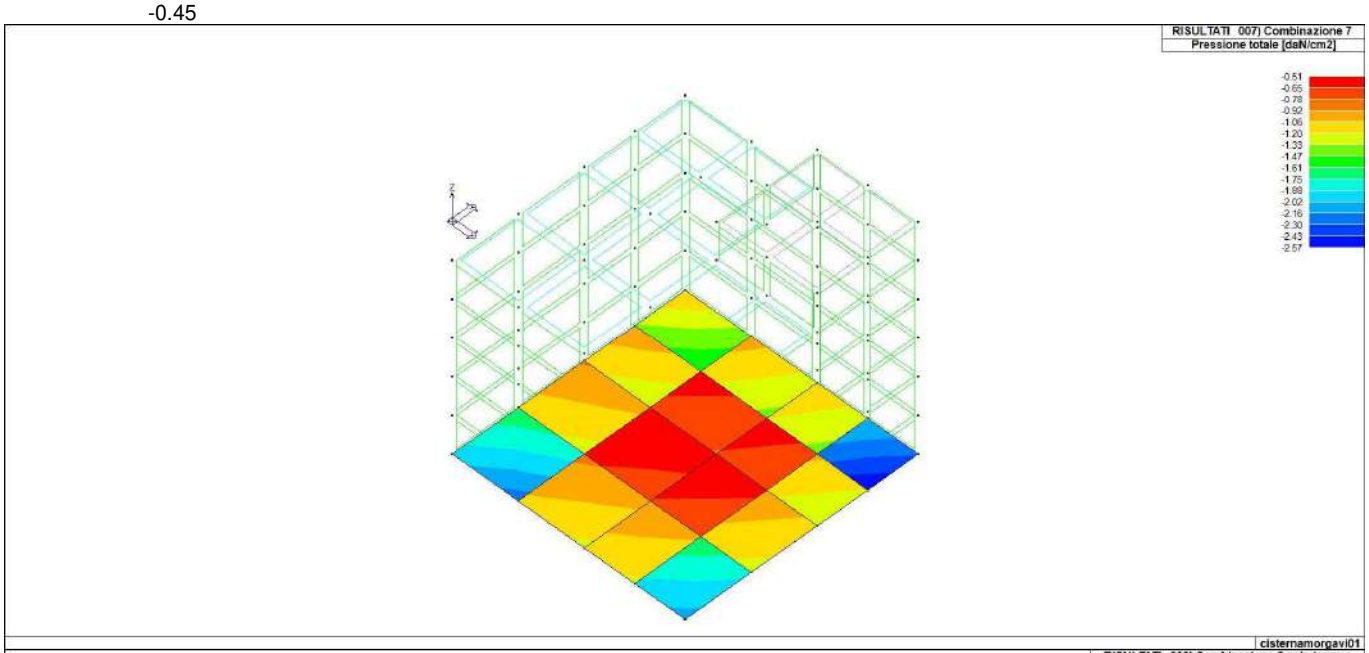
Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea. Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

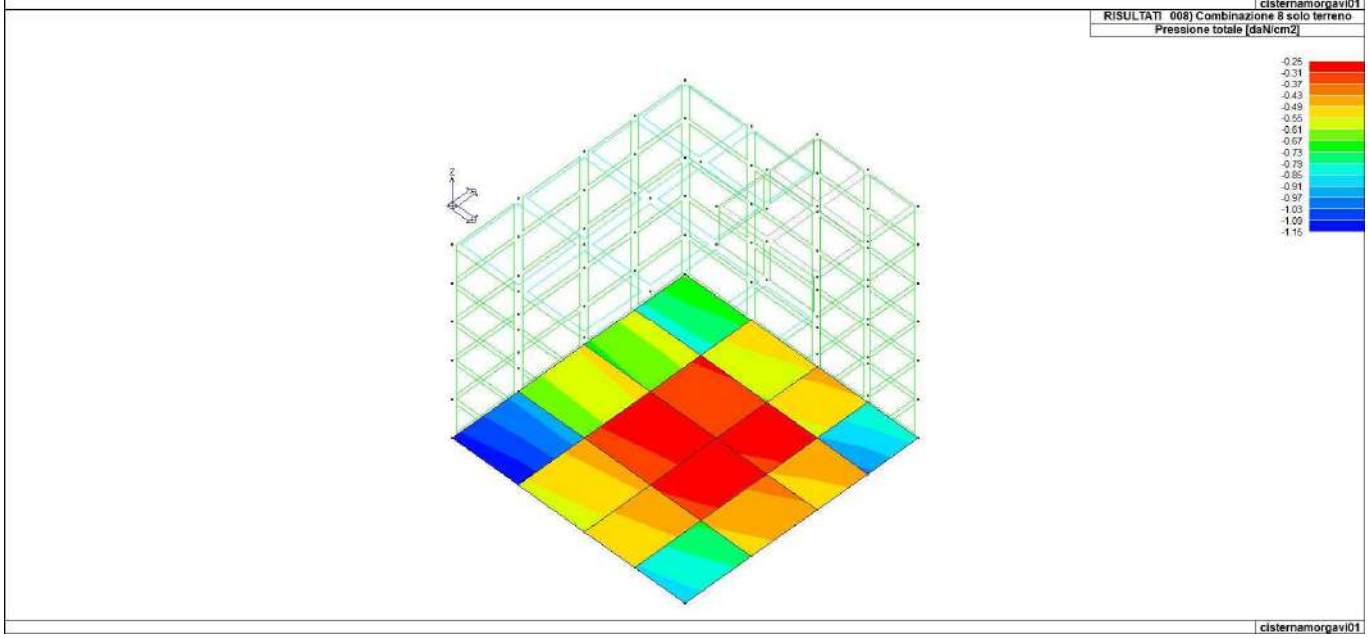
Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-1.95	-2.02	-1.36	-1.46	-1.52	-1.21					
2	-1.09	-1.69	-0.95	-0.75	-0.93	-0.78					
3	-2.07	-1.65	-1.16	-1.45	-1.24	-1.04					
4	-2.28	-1.91	-1.29	-1.54	-1.35	-1.11					
5	-1.25	-1.10	-0.78	-0.84	-0.78	-0.69					
6	-1.34	-0.97	-0.74	-0.92	-0.78	-0.66					
7	-0.79	-0.49	-0.46	-0.56	-0.52	-0.45					
8	-1.23	-1.01	-0.73	-0.88	-0.81	-0.67					
9	-1.15	-1.27	-0.86	-0.85	-0.94	-0.77					
10	-2.23	-2.01	-1.42	-1.63	-1.59	-1.29					
11	-1.82	-1.44	-1.15	-1.33	-1.31	-1.08					
12	-1.63	-1.68	-1.16	-1.21	-1.29	-1.04					
13	-1.02	-0.73	-0.59	-0.72	-0.67	-0.56					
14	-1.30	-0.98	-0.83	-0.94	-0.94	-0.79					
15	-1.40	-1.53	-1.02	-0.96	-1.01	-0.87					
16	-1.34	-1.75	-1.09	-0.98	-1.13	-0.93					

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

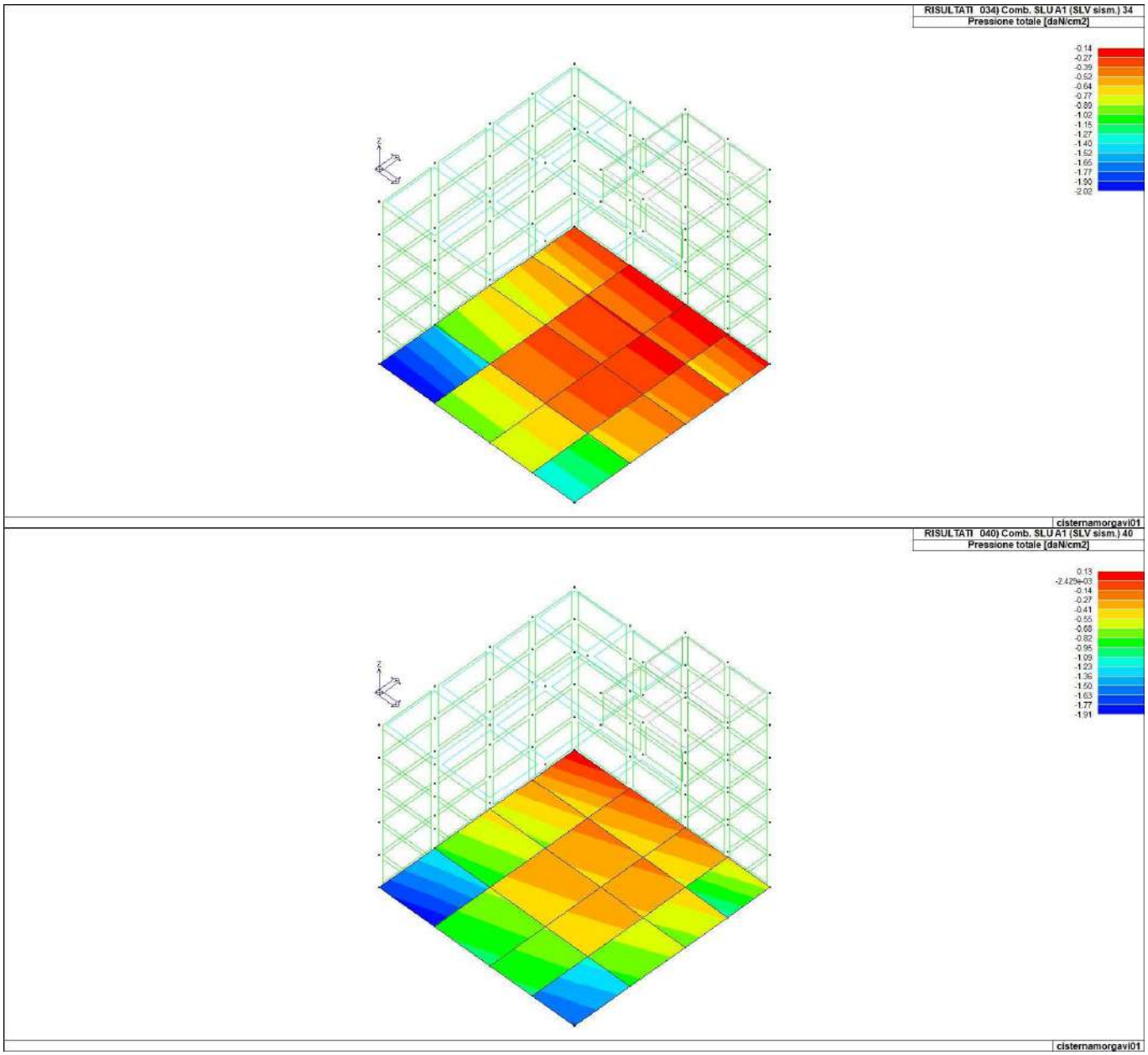
17	-1.60	-1.36	-1.07	-1.14	-1.16	-0.99
18	-1.38	-0.99	-0.82	-0.95	-0.88	-0.77
20	-1.85	-1.38	-1.02	-1.27	-1.08	-0.92
21	-2.57	-1.99	-1.43	-1.75	-1.51	-1.27
22	-1.64	-1.16	-0.92	-1.15	-1.01	-0.86
23	-1.91	-1.55	-1.10	-1.35	-1.20	-1.00
24	-1.16	-0.79	-0.65	-0.80	-0.70	-0.61
25	-2.22	-1.61	-1.26	-1.51	-1.31	-1.16
26	-2.00	-1.68	-1.18	-1.33	-1.17	-1.03

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**
	-2.57			
	-0.45			

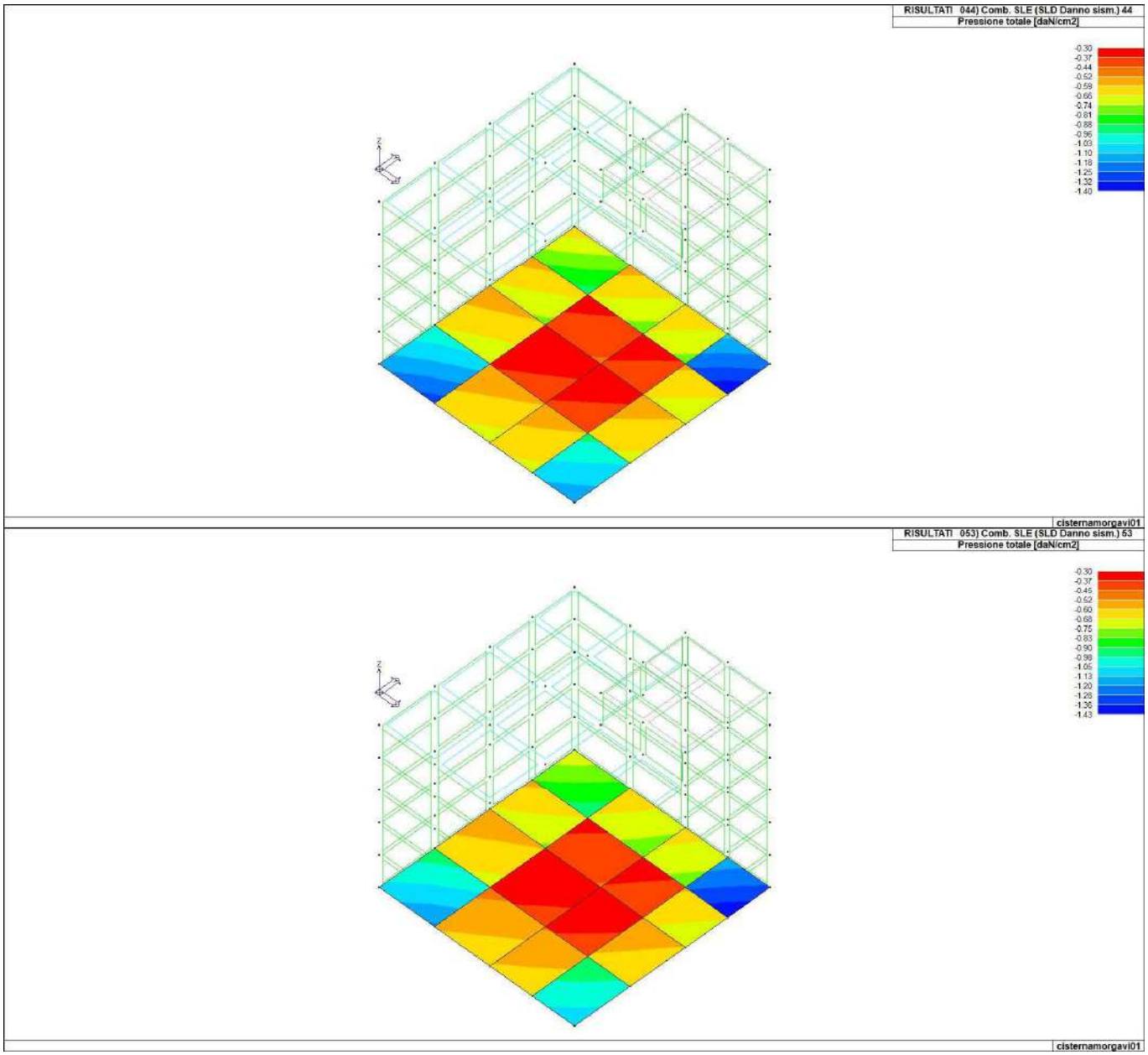




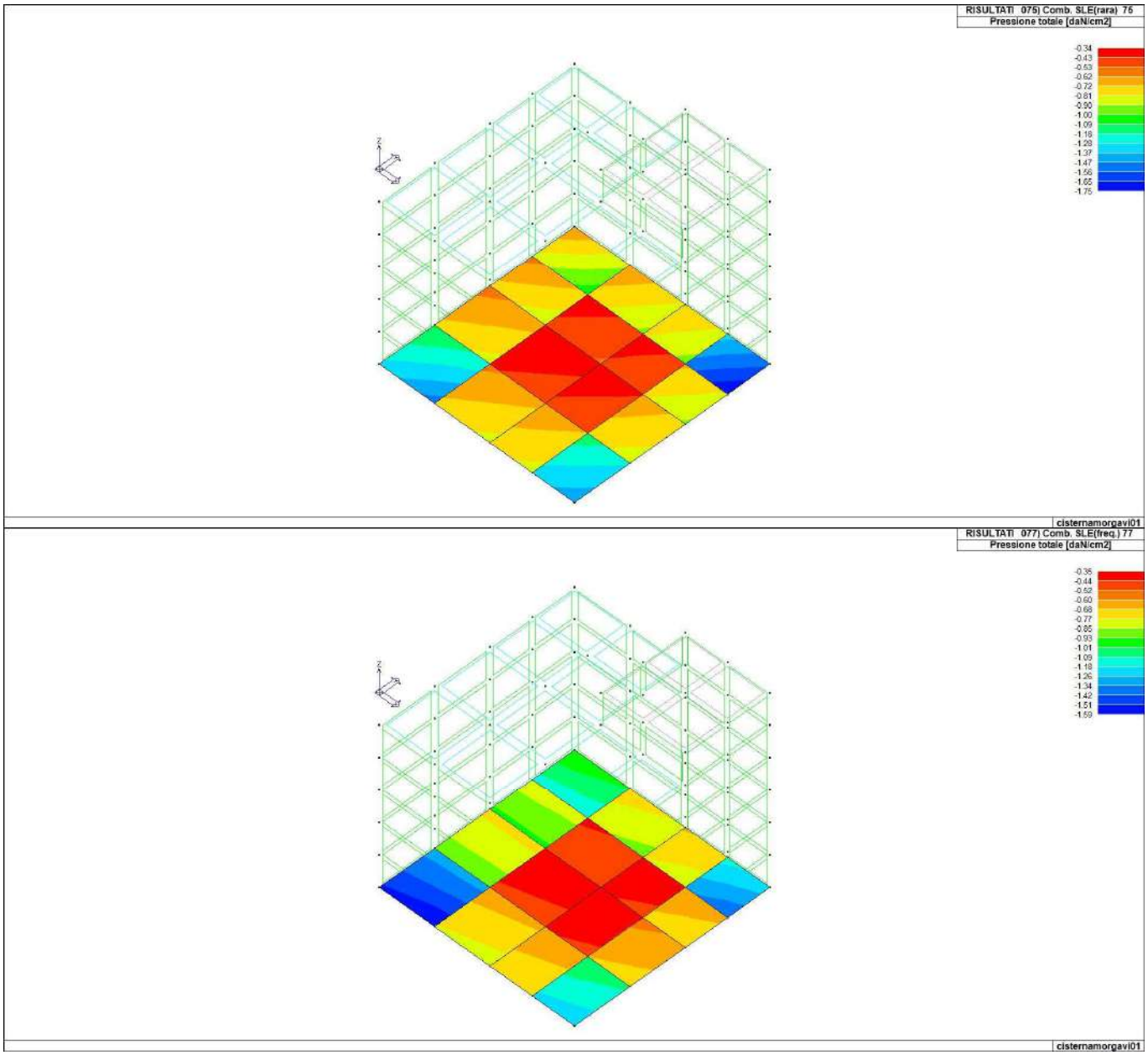
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



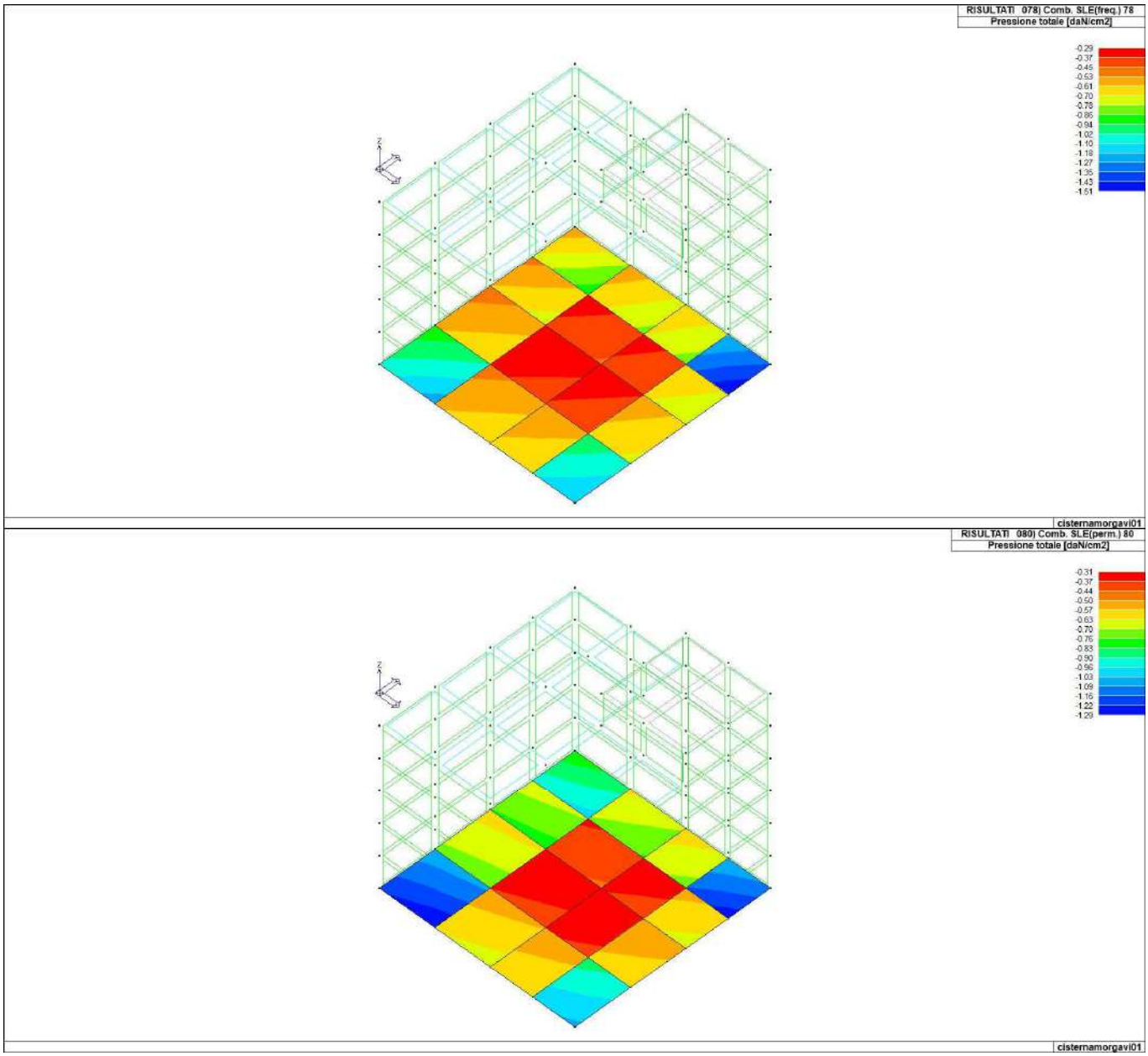
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

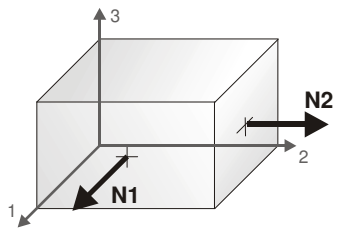
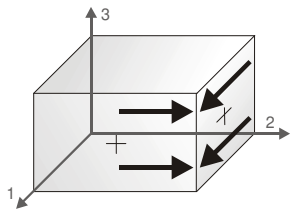
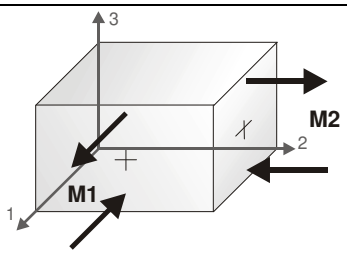
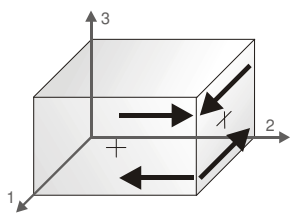


cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

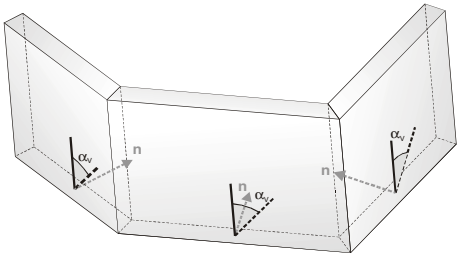
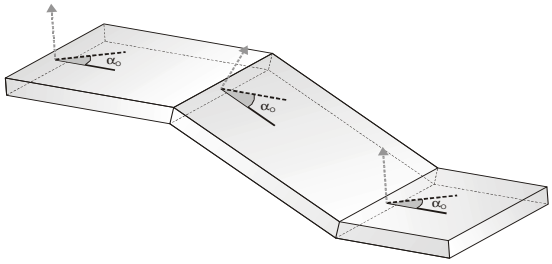


RISULTATI ELEMENTI TIPO SHELL

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.

	Azione N		Azione N 1-2
	Azione M		Azione M 1-2

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

orientamento per stampa setti	orientamento per stampa gusci
	

In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo
N1-2	M1	sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni
M2	M1-2	tangenziali)

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-Z (gradi)
2	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
2	1	-300.00	-1.564e+04	1426.43	7498.85	1.744e+05	-3.564e+05	3754.18
2	1	-250.00	-1.592e+04	1343.72	6429.39	1.205e+05	-8190.53	3376.74
2	1	-200.00	-1.511e+04	1345.11	2682.31	1.048e+05	9.238e+04	4126.50
2	1	-150.00	-1.430e+04	1291.30	383.40	7.656e+04	6.955e+04	4097.75
2	1	-100.00	-1.343e+04	1248.61	-1981.69	3.724e+04	-4.345e+04	3400.61
2	1	-50.00	-1.238e+04	1194.07	-4935.32	-5967.56	-2.682e+05	1049.87
2	3	-300.00	-1.319e+04	1438.47	5118.66	2.061e+05	-2.734e+05	4563.37
2	3	-250.00	-1.361e+04	1394.49	3696.77	1.478e+05	-5.306e+04	4024.77
2	3	-200.00	-1.310e+04	1411.45	1684.61	1.258e+05	3.814e+04	4283.98
2	3	-150.00	-1.254e+04	1363.32	195.70	9.118e+04	4.191e+04	4077.34
2	3	-100.00	-1.187e+04	1319.51	-1605.72	4.639e+04	-3.503e+04	3342.71
2	3	-50.00	-1.094e+04	1263.70	-4103.68	-2572.96	-2.213e+05	1148.54
2	7	-300.00	-1.484e+04	885.69	2890.10	1.756e+05	-2.311e+05	6165.10
2	7	-250.00	-1.526e+04	852.48	816.80	1.253e+05	-1.385e+05	6246.51
2	7	-200.00	-1.466e+04	918.22	373.59	1.081e+05	-5.078e+04	5639.29
2	7	-150.00	-1.402e+04	918.46	-430.33	7.632e+04	-2.073e+04	5402.32
2	7	-100.00	-1.328e+04	912.39	-1645.68	3.709e+04	-6.346e+04	4814.71
2	7	-50.00	-1.231e+04	878.09	-3137.41	298.19	-1.996e+05	2201.43
2	9	-300.00	-1.037e+04	342.49	-92.68	8.266e+04	-8.959e+04	3968.02
2	9	-250.00	-1.040e+04	351.87	-1540.38	5.789e+04	-1.304e+05	3810.70
2	9	-200.00	-9102.31	435.77	-732.84	5.628e+04	-9.158e+04	2939.76
2	9	-150.00	-7848.01	460.64	-589.37	4.160e+04	-5.735e+04	2614.26
2	9	-100.00	-6608.58	471.79	-556.63	2.201e+04	-4.329e+04	2193.20
2	9	-50.00	-5362.84	463.61	-192.90	2511.06	-4.535e+04	1015.83
2	18	-300.00	-1.419e+04	2525.75	1083.96	1.387e+05	-9.223e+04	653.57
2	18	-250.00	-1.333e+04	2556.65	654.74	6.457e+04	-4.876e+04	-842.97
2	18	-200.00	-1.059e+04	2408.73	187.54	6.130e+04	-2.242e+04	673.09
2	18	-150.00	-7982.91	2126.70	-196.12	5.285e+04	-1.772e+04	471.42
2	18	-100.00	-5662.77	1850.03	-555.25	3.726e+04	-3.122e+04	-560.60
2	18	-50.00	-3898.26	1665.14	-804.83	61.53	-6.134e+04	-1385.19
2	27	-300.00	-9572.34	-4533.93	1043.88	-2.718e+05	-8.645e+04	5334.53
2	27	-250.00	-9332.80	-4624.76	555.31	-1.308e+05	-4.647e+04	7658.08
2	27	-200.00	-7699.84	-3870.63	171.91	-5.405e+04	-2.364e+04	2792.71
2	27	-150.00	-6184.72	-2967.37	-99.77	-2.878e+04	-1.845e+04	2092.91
2	27	-100.00	-4793.50	-2139.88	-347.19	-2.818e+04	-2.660e+04	2492.68
2	27	-50.00	-3574.82	-1669.34	-482.13	-1.346e+04	-4.647e+04	2329.70
2	29	-300.00	-6465.27	-4464.53	1731.39	-2.364e+05	-1.081e+05	5541.16
2	29	-250.00	-6651.30	-4559.31	1129.00	-9.976e+04	-3.660e+04	7900.23
2	29	-200.00	-5911.21	-3825.85	512.77	-3.498e+04	-4151.05	3103.25
2	29	-150.00	-5224.42	-2928.92	107.72	-1.788e+04	1451.89	2432.78
2	29	-100.00	-4519.58	-2102.68	-345.56	-2.383e+04	-1.480e+04	2885.72

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

2	29	-50.00	-3710.49	-1635.91	-936.24	-1.323e+04	-5.903e+04	2619.82
2	36	-300.00	-6654.70	6768.85	1790.69	5.034e+05	-1.133e+05	-1961.74
2	36	-250.00	-6699.30	6842.53	1190.32	2.829e+05	-3.878e+04	-6004.32
2	36	-200.00	-5997.29	6131.72	534.22	1.886e+05	-4494.40	-282.20
2	36	-150.00	-5277.15	5154.25	115.54	1.307e+05	1820.49	6.40
2	36	-100.00	-4543.40	4230.45	-356.40	8.500e+04	-1.446e+04	-1487.27
2	36	-50.00	-3726.28	3638.56	-988.37	9088.94	-6.018e+04	-2759.42
2	50	-300.00	-9265.76	963.38	1400.24	9.071e+04	-1.017e+05	1900.48
2	50	-250.00	-9058.86	963.36	759.18	5.756e+04	-4.769e+04	1259.29
2	50	-200.00	-7645.39	988.19	224.48	5.529e+04	-1.797e+04	1451.90
2	50	-150.00	-6283.52	947.95	-178.66	4.346e+04	-1.269e+04	1225.09
2	50	-100.00	-5003.45	895.43	-533.54	2.500e+04	-2.651e+04	670.61
2	50	-50.00	-3853.36	837.54	-729.20	-709.20	-5.599e+04	-94.50
2	53	-300.00	-7018.75	331.50	1539.01	7.142e+04	-1.058e+05	2275.52
2	53	-250.00	-7092.19	319.23	838.74	5.381e+04	-4.640e+04	1968.64
2	53	-200.00	-6270.30	365.52	300.71	5.086e+04	-1.418e+04	1644.00
2	53	-150.00	-5480.11	380.45	-96.93	3.819e+04	-7551.21	1408.83
2	53	-100.00	-4685.45	402.18	-473.71	2.008e+04	-2.158e+04	1055.88
2	53	-50.00	-3827.07	422.53	-764.13	661.09	-5.513e+04	354.70
2	61	-300.00	-7787.20	-327.34	1484.70	1.389e+04	-1.039e+05	2844.03
2	61	-250.00	-7774.31	-340.03	805.13	1.937e+04	-4.664e+04	3072.19
2	61	-200.00	-6742.19	-254.28	272.04	2.933e+04	-1.547e+04	1992.86
2	61	-150.00	-5755.43	-171.30	-126.09	2.430e+04	-9368.99	1664.90
2	61	-100.00	-4793.91	-63.66	-493.53	1.222e+04	-2.331e+04	1408.75
2	61	-50.00	-3834.20	47.11	-747.89	1241.01	-5.532e+04	748.70
2	68	-300.00	-7826.93	1770.92	1497.90	1.567e+05	-1.050e+05	1477.76
2	68	-250.00	-7787.15	1777.90	817.57	9.761e+04	-4.711e+04	350.19
2	68	-200.00	-6761.58	1747.85	276.34	7.972e+04	-1.556e+04	1285.80
2	68	-150.00	-5766.94	1617.76	-124.80	5.848e+04	-9321.81	1137.37
2	68	-100.00	-4798.85	1449.25	-495.62	3.294e+04	-2.328e+04	473.64
2	68	-50.00	-3837.78	1263.83	-755.96	-1551.06	-5.552e+04	-394.85
2	74	-300.00	-1.113e+04	1009.21	3453.20	1.429e+05	-1.980e+05	3552.64
2	74	-250.00	-1.132e+04	974.69	2365.80	1.006e+05	-5.250e+04	3238.02
2	74	-200.00	-1.066e+04	998.22	997.54	8.759e+04	1.097e+04	3347.24
2	74	-150.00	-9999.32	969.17	-33.22	6.394e+04	1.414e+04	3174.97
2	74	-100.00	-9292.44	942.31	-1229.27	3.258e+04	-3.756e+04	2610.03
2	74	-50.00	-8469.44	906.18	-2705.39	-1493.60	-1.582e+05	920.08
2	76	-300.00	-1.001e+04	932.23	3220.32	1.327e+05	-1.830e+05	3230.07
2	76	-250.00	-1.021e+04	905.27	2229.45	9.397e+04	-4.675e+04	2876.94
2	76	-200.00	-9573.30	924.83	964.67	8.178e+04	1.249e+04	2935.41
2	76	-150.00	-8926.16	893.05	23.00	5.955e+04	1.622e+04	2757.37
2	76	-100.00	-8232.24	863.11	-1067.97	3.036e+04	-3.016e+04	2250.19
2	76	-50.00	-7420.04	831.33	-2452.29	-1277.21	-1.402e+05	799.96
2	77	-300.00	-1.148e+04	863.47	2134.75	1.127e+05	-1.480e+05	3140.96
2	77	-250.00	-1.141e+04	838.17	1198.57	7.625e+04	-6.465e+04	2817.55
2	77	-200.00	-1.024e+04	878.71	361.18	7.069e+04	-2.125e+04	2817.92
2	77	-150.00	-9126.24	862.62	-304.54	5.338e+04	-1.693e+04	2586.48
2	77	-100.00	-8058.89	846.02	-984.49	2.843e+04	-4.670e+04	2001.67
2	77	-50.00	-7025.05	820.14	-1497.38	-302.43	-1.097e+05	607.99
2	79	-300.00	-8139.13	641.23	1455.66	8.142e+04	-1.035e+05	2123.53
2	79	-250.00	-8077.05	636.55	795.03	5.599e+04	-4.720e+04	1664.10
2	79	-200.00	-6963.94	669.23	262.59	5.315e+04	-1.634e+04	1562.31
2	79	-150.00	-5892.21	651.72	-137.00	4.057e+04	-1.036e+04	1323.92
2	79	-100.00	-4858.54	631.98	-502.36	2.221e+04	-2.423e+04	887.80
2	79	-50.00	-3855.48	615.69	-743.08	130.44	-5.563e+04	179.06
2	80	-300.00	-8142.25	647.44	1469.63	8.107e+04	-1.038e+05	2088.00
2	80	-250.00	-8075.52	641.30	798.96	5.569e+04	-4.705e+04	1613.97
2	80	-200.00	-6957.84	676.86	262.60	5.307e+04	-1.608e+04	1547.95
2	80	-150.00	-5881.82	664.20	-137.79	4.083e+04	-1.012e+04	1316.96
2	80	-100.00	-4844.45	648.80	-503.62	2.254e+04	-2.404e+04	863.25
2	80	-50.00	-3840.21	630.04	-746.66	-24.05	-5.556e+04	130.10
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.592e+04	-4624.76	-4935.32	-2.718e+05	-3.564e+05	-6004.32
			-3574.82	6842.53	7498.85	5.034e+05	9.238e+04	7900.23

Macro	Tipo	Angolo 1-Z (gradi)
5	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	4	-300.00	-9917.59	4226.94	-2351.43	-2.721e+05	1.696e+05	1.20
5	4	-250.00	-9957.12	4350.50	-1518.81	-1.272e+05	7.282e+04	-1558.37
5	4	-200.00	-9128.65	3776.30	-542.12	-3.612e+04	2.347e+04	-3988.82
5	4	-150.00	-8256.19	3100.98	90.65	2.946e+04	1.529e+04	-4039.01
5	4	-100.00	-7346.81	2641.14	680.55	8.378e+04	3.765e+04	-1575.17
5	4	-50.00	-6448.20	2526.05	1219.74	1.604e+05	9.025e+04	1.294e+04
5	4	0.0	-284.10	-1519.88	627.69	4440.11	-5881.37	2.567e+04
5	6	-300.00	-9965.37	3184.79	-2425.41	-2.082e+05	1.727e+05	-874.49
5	6	-250.00	-9999.77	3285.83	-1569.37	-9.836e+04	7.284e+04	-2786.73
5	6	-200.00	-9196.17	2899.01	-574.62	-2.027e+04	2.141e+04	-4247.21
5	6	-150.00	-8335.80	2467.77	65.23	3.984e+04	1.186e+04	-4261.84
5	6	-100.00	-7434.98	2249.01	629.91	9.466e+04	3.243e+04	-1614.10
5	6	-50.00	-6542.97	2246.79	1158.40	1.721e+05	8.179e+04	1.372e+04
5	6	0.0	-278.43	-1591.71	1365.81	4360.25	-1.016e+04	2.425e+04
5	7	-300.00	-1.424e+04	4101.52	-1122.29	-2.422e+05	1.784e+05	-1289.19
5	7	-250.00	-1.418e+04	4179.42	693.67	-9.743e+04	1.677e+05	-4058.40
5	7	-200.00	-1.306e+04	3627.60	479.37	1.685e+04	1.016e+05	-6199.52
5	7	-150.00	-1.185e+04	3002.20	714.61	1.030e+05	6.431e+04	-6552.33
5	7	-100.00	-1.062e+04	2558.02	1078.70	1.743e+05	6.588e+04	-3326.25
5	7	-50.00	-9429.88	2196.72	1284.83	2.576e+05	1.073e+05	2.279e+04
5	7	0.0	-363.71	-2539.15	695.69	5945.63	-6304.75	4.101e+04
5	17	-300.00	-8419.96	4744.82	-1494.25	-3.562e+05	1.106e+05	1820.07
5	17	-250.00	-8255.74	4851.79	-972.46	-2.009e+05	4.890e+04	1787.13
5	17	-200.00	-6986.02	4331.84	-379.25	-1.268e+05	1.707e+04	-1777.83
5	17	-150.00	-5705.05	3640.48	-18.43	-7.818e+04	1.009e+04	-1567.45
5	17	-100.00	-4465.19	3018.41	303.08	-3.995e+04	2.036e+04	239.05
5	17	-50.00	-3361.38	2679.92	585.82	2.078e+04	4.746e+04	7372.87
5	17	0.0	-278.69	-325.33	-239.16	2059.17	646.29	1.493e+04
5	19	-300.00	-7739.58	-6966.39	-1266.33	3.799e+05	9.743e+04	-6672.98

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

5	19	-250.00	-7619.83	-7075.87	-825.69	1.628e+05	4.513e+04	-9837.42
5	19	-200.00	-6772.65	-6142.66	-329.06	1.071e+05	1.785e+04	-2290.83
5	19	-150.00	-5837.86	-4927.59	-26.50	8.248e+04	1.179e+04	-1623.80
5	19	-100.00	-4888.00	-3697.13	243.62	7.583e+04	2.036e+04	-2377.11
5	19	-50.00	-3877.77	-2654.75	481.08	5.705e+04	4.317e+04	1228.45
5	19	0.0	-236.02	-1418.56	-181.58	1112.44	578.99	8244.22
5	33	-300.00	-1.177e+04	940.76	-1560.91	-1.093e+05	1.165e+05	-848.54
5	33	-250.00	-1.109e+04	992.79	-1054.25	-7.836e+04	5.114e+04	-2146.76
5	33	-200.00	-9112.65	957.19	-399.76	-4.561e+04	1.573e+04	-2131.90
5	33	-150.00	-7108.08	898.15	54.89	-2.450e+04	8610.87	-1825.30
5	33	-100.00	-5270.66	848.43	453.72	-6796.73	2.244e+04	-835.30
5	33	-50.00	-3792.02	806.51	787.36	2.227e+04	5.562e+04	5195.53
5	33	0.0	-254.56	-461.68	-227.10	1144.54	490.44	1.422e+04
5	49	-300.00	-7426.83	608.21	-1788.31	-1.017e+05	1.188e+05	-1520.51
5	49	-250.00	-7426.54	629.91	-1125.29	-8.059e+04	4.599e+04	-2713.07
5	49	-200.00	-6555.44	770.87	-435.13	-5.429e+04	8840.23	-2229.83
5	49	-150.00	-5625.11	906.05	27.88	-2.612e+04	1720.65	-1781.91
5	49	-100.00	-4671.74	1014.11	445.43	6795.04	1.701e+04	-815.65
5	49	-50.00	-3736.44	1017.66	816.96	4.871e+04	5.376e+04	4868.29
5	49	0.0	-272.30	-655.85	-222.95	1903.61	657.57	1.309e+04
5	51	-300.00	-7289.12	-1559.67	-1744.19	3.942e+04	1.163e+05	-3105.70
5	51	-250.00	-7294.90	-1569.17	-1096.78	-5927.18	4.523e+04	-4990.00
5	51	-200.00	-6502.88	-1309.73	-426.81	-521.66	8928.75	-2394.02
5	51	-150.00	-5636.97	-957.55	22.85	1.280e+04	1867.40	-1874.34
5	51	-100.00	-4737.56	-563.29	427.32	3.220e+04	1.658e+04	-1432.68
5	51	-50.00	-3815.94	-234.78	783.02	5.256e+04	5.203e+04	3533.46
5	51	0.0	-266.10	-913.94	-209.83	1698.48	653.01	1.178e+04
5	63	-300.00	-8094.27	-837.74	-1731.20	-6262.20	1.171e+05	-2464.46
5	63	-250.00	-7993.39	-834.78	-1090.70	-2.962e+04	4.657e+04	-4109.56
5	63	-200.00	-6994.25	-622.21	-409.33	-1.696e+04	1.037e+04	-2262.04
5	63	-150.00	-5924.44	-353.78	49.67	-97.75	3569.43	-1785.83
5	63	-100.00	-4852.28	-72.21	452.52	2.146e+04	1.834e+04	-1156.67
5	63	-50.00	-3827.26	125.23	785.97	4.686e+04	5.290e+04	4163.35
5	63	0.0	-265.56	-800.93	-208.61	1642.68	549.37	1.250e+04
5	65	-300.00	-8135.62	-159.86	-1744.59	-4.879e+04	1.179e+05	-1990.42
5	65	-250.00	-8032.90	-146.36	-1099.33	-5.162e+04	4.680e+04	-3422.69
5	65	-200.00	-7010.00	27.35	-411.90	-3.239e+04	1.035e+04	-2214.96
5	65	-150.00	-5920.93	224.53	50.89	-1.092e+04	3520.64	-1767.50
5	65	-100.00	-4832.77	411.53	457.31	1.456e+04	1.844e+04	-991.68
5	65	-50.00	-3804.05	501.02	795.52	4.596e+04	5.335e+04	4531.34
5	65	0.0	-267.40	-726.22	-211.69	1702.09	548.23	1.285e+04
5	74	-300.00	-9819.95	1963.42	-2451.90	-1.423e+05	1.696e+05	-1864.70
5	74	-250.00	-9867.88	2044.85	-1570.87	-7.155e+04	6.907e+04	-4057.12
5	74	-200.00	-9122.20	1882.23	-566.21	-7695.12	1.795e+04	-4193.65
5	74	-150.00	-8309.55	1698.21	125.08	4.655e+04	1.047e+04	-4009.79
5	74	-100.00	-7448.23	1640.49	795.41	9.861e+04	3.725e+04	-2116.81
5	74	-50.00	-6577.66	1687.11	1418.53	1.661e+05	9.878e+04	1.080e+04
5	74	0.0	-280.35	-1593.61	266.25	4249.19	-3654.93	2.504e+04
5	75	-300.00	-9073.81	2608.99	-2186.37	-1.903e+05	1.535e+05	-1022.95
5	75	-250.00	-9124.68	2697.12	-1402.47	-9.951e+04	6.375e+04	-2704.85
5	75	-200.00	-8341.11	2408.09	-517.63	-3.305e+04	1.808e+04	-3621.68
5	75	-150.00	-7502.68	2067.84	68.26	1.942e+04	1.042e+04	-3440.62
5	75	-100.00	-6622.23	1871.78	622.82	6.710e+04	3.157e+04	-1518.58
5	75	-50.00	-5736.07	1868.71	1139.04	1.317e+05	8.166e+04	1.019e+04
5	75	0.0	-280.36	-1331.29	326.69	3751.74	-3635.90	2.195e+04
5	76	-300.00	-9106.05	1904.81	-2236.41	-1.471e+05	1.556e+05	-1614.18
5	76	-250.00	-9153.47	1977.73	-1436.60	-8.000e+04	6.376e+04	-3533.91
5	76	-200.00	-8386.75	1815.27	-539.46	-2.234e+04	1.669e+04	-3795.04
5	76	-150.00	-7556.54	1639.77	51.46	2.644e+04	8114.04	-3589.74
5	76	-100.00	-6681.94	1606.14	589.49	7.445e+04	2.809e+04	-1546.91
5	76	-50.00	-5800.26	1678.97	1098.84	1.395e+05	7.604e+04	1.070e+04
5	76	0.0	-276.55	-1379.69	818.79	3697.73	-6487.62	2.100e+04
5	77	-300.00	-9185.04	-218.58	-2411.58	-1.820e+04	1.605e+05	-3204.82
5	77	-250.00	-9229.85	-187.25	-1527.27	-1.927e+04	6.204e+04	-5650.76
5	77	-200.00	-8529.56	15.51	-550.07	1.448e+04	1.221e+04	-3816.40
5	77	-150.00	-7748.60	262.69	152.35	5.249e+04	5656.40	-3451.92
5	77	-100.00	-6915.37	529.81	848.72	9.511e+04	3.440e+04	-2454.51
5	77	-50.00	-6057.65	682.58	1485.06	1.433e+05	9.909e+04	7141.86
5	77	0.0	-275.86	-1471.41	-402.98	3516.15	639.21	2.215e+04
5	78	-300.00	-6946.61	1718.12	-1614.98	-1.624e+05	1.120e+05	-679.58
5	78	-250.00	-7000.23	1769.56	-1022.08	-1.032e+05	4.609e+04	-1593.94
5	78	-200.00	-6186.29	1593.07	-404.33	-6.159e+04	1.260e+04	-2100.51
5	78	-150.00	-5327.97	1371.57	-18.11	-2.892e+04	5519.91	-1744.39
5	78	-100.00	-4437.37	1223.68	330.96	560.72	1.735e+04	-659.83
5	78	-50.00	-3532.88	1227.36	646.61	4.034e+04	4.773e+04	5304.95
5	78	0.0	-275.88	-684.46	-221.65	2023.79	696.31	1.290e+04
5	79	-300.00	-7037.69	-397.88	-1773.09	-3.301e+04	1.179e+05	-2395.03
5	79	-250.00	-7083.42	-390.76	-1120.74	-4.393e+04	4.556e+04	-3963.29
5	79	-200.00	-6325.07	-192.17	-452.34	-2.796e+04	8329.14	-2461.90
5	79	-150.00	-5499.26	57.81	-20.37	-6255.18	17.23	-2005.56
5	79	-100.00	-4633.79	337.87	345.26	2.217e+04	1.224e+04	-1006.55
5	79	-50.00	-3746.07	522.22	687.27	5.752e+04	4.357e+04	5216.29
5	79	0.0	-267.87	-812.65	396.17	1855.54	-2869.14	1.132e+04
5	80	-300.00	-7033.66	-400.34	-1778.77	-3.316e+04	1.176e+05	-2353.42
5	80	-250.00	-7081.15	-392.31	-1118.08	-4.343e+04	4.516e+04	-3879.12
5	80	-200.00	-6326.42	-197.01	-439.87	-2.690e+04	8259.75	-2348.56
5	80	-150.00	-5506.19	36.70	14.01	-5127.70	1032.25	-1872.57
5	80	-100.00	-4646.13	274.36	426.90	2.185e+04	1.605e+04	-1193.50
5	80	-50.00	-3760.80	425.14	802.45	5.306e+04	5.264e+04	4060.82
5	80	0.0	-270.31	-800.49	-217.03	1851.09	694.96	1.223e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.424e+04	-7075.87	-2451.90	-3.562e+05	-1.016e+04	-9837.42
			-236.02	4851.79	1485.06	3.799e+05	1.784e+05	4.101e+04

Macro	Tipo	Angolo 1-Z (gradi)
6	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

6	4	-300.00	-1.319e+04	-246.03	-2570.30	-5.016e+04	1.777e+05	1971.66
6	4	-250.00	-1.270e+04	-256.46	-1687.18	-3.582e+04	7.130e+04	5485.88
6	4	-200.00	-1.118e+04	-351.50	-616.78	1.895e+04	1.549e+04	4771.93
6	4	-150.00	-9640.73	-547.91	167.79	6.367e+04	7219.62	4620.37
6	4	-100.00	-8189.91	-830.95	918.99	1.104e+05	3.734e+04	2852.21
6	4	-50.00	-6973.54	-977.21	1637.42	1.701e+05	1.061e+05	-1.039e+04
6	4	0.0	-259.71	1522.21	608.37	3506.94	-5847.59	-2.553e+04
6	7	-300.00	-1.650e+04	-1197.85	-1186.98	-7.080e+04	1.756e+05	1860.13
6	7	-250.00	-1.607e+04	-1171.48	650.59	-2.292e+04	1.622e+05	6548.87
6	7	-200.00	-1.445e+04	-1079.72	458.13	6.665e+04	9.418e+04	6827.04
6	7	-150.00	-1.281e+04	-1091.80	786.59	1.345e+05	5.794e+04	7061.55
6	7	-100.00	-1.122e+04	-1201.23	1265.41	1.973e+05	6.585e+04	4320.74
6	7	-50.00	-9819.21	-1038.43	1607.86	2.661e+05	1.198e+05	-2.081e+04
6	7	0.0	-347.18	2542.70	677.84	5251.60	-6284.55	-4.089e+04
6	16	-300.00	-1.107e+04	1846.83	-1580.76	7669.41	1.155e+05	2739.36
6	16	-250.00	-1.048e+04	1909.34	-1042.00	-4.758e+04	4.993e+04	5496.40
6	16	-200.00	-8719.02	1572.37	-387.97	-3.341e+04	1.504e+04	3015.17
6	16	-150.00	-6944.27	1095.31	63.09	-1.740e+04	8404.63	2310.48
6	16	-100.00	-5301.01	608.66	456.90	4610.39	2.253e+04	1688.24
6	16	-50.00	-3918.53	259.67	778.47	3.005e+04	5.560e+04	-3748.46
6	16	0.0	-245.62	685.26	-226.35	1062.03	519.46	-1.308e+04
6	17	-300.00	-1.094e+04	-1371.15	-1556.56	-1.609e+05	1.130e+05	136.18
6	17	-250.00	-1.037e+04	-1386.95	-1017.96	-1.184e+05	4.860e+04	1985.56
6	17	-200.00	-8595.71	-1295.32	-381.28	-7.291e+04	1.438e+04	2622.46
6	17	-150.00	-6800.60	-1215.15	67.11	-4.436e+04	7976.41	2164.42
6	17	-100.00	-5131.94	-1165.66	467.16	-1.842e+04	2.243e+04	893.36
6	17	-50.00	-3755.55	-1130.01	799.82	2.146e+04	5.631e+04	-5427.60
6	17	0.0	-259.45	394.53	-238.63	1303.60	527.40	-1.476e+04
6	26	-300.00	-5322.29	6356.83	-1847.27	3.018e+05	1.104e+05	5883.60
6	26	-250.00	-5582.70	6514.92	-1339.47	1.136e+05	3.069e+04	9403.81
6	26	-200.00	-5282.00	5627.01	-631.73	7.222e+04	-3262.31	2734.51
6	26	-150.00	-4959.16	4437.02	-211.23	6.540e+04	-8201.84	1998.07
6	26	-100.00	-4535.86	3211.16	243.71	7.880e+04	9108.36	2877.07
6	26	-50.00	-3866.34	2165.64	858.03	7.892e+04	5.472e+04	829.61
6	26	0.0	-248.11	1524.83	-267.32	1495.74	1175.00	-7151.48
6	32	-300.00	-8007.54	6319.22	-1360.13	2.654e+05	1.017e+05	5763.41
6	32	-250.00	-7850.92	6491.49	-880.06	7.885e+04	4.569e+04	9319.61
6	32	-200.00	-6870.86	5618.63	-337.47	4.391e+04	1.713e+04	2782.60
6	32	-150.00	-5880.04	4438.30	-14.37	3.830e+04	1.123e+04	1881.56
6	32	-100.00	-4900.68	3227.16	268.85	5.104e+04	2.076e+04	2313.65
6	32	-50.00	-3877.13	2208.98	512.97	5.290e+04	4.504e+04	-1654.62
6	32	0.0	-236.56	1337.16	-198.25	1204.58	592.84	-9088.29
6	48	-300.00	-7811.92	508.78	-1649.89	-2.566e+04	1.093e+05	1603.50
6	48	-250.00	-7734.96	532.03	-1018.97	-4.120e+04	4.258e+04	3874.09
6	48	-200.00	-6784.82	378.31	-377.65	-2.242e+04	8898.58	2639.18
6	48	-150.00	-5795.07	141.70	64.85	-4448.63	3195.66	2098.90
6	48	-100.00	-4794.39	-120.87	464.06	1.851e+04	1.860e+04	1306.95
6	48	-50.00	-3815.67	-302.16	798.65	4.725e+04	5.376e+04	-4138.19
6	48	0.0	-268.40	769.39	-215.99	1727.80	568.52	-1.269e+04
6	49	-300.00	-7784.37	-53.80	-1644.23	-5.714e+04	1.087e+05	1092.04
6	49	-250.00	-7712.20	-41.40	-1013.78	-5.595e+04	4.229e+04	3150.99
6	49	-200.00	-6760.73	-163.32	-375.64	-3.258e+04	8780.30	2508.77
6	49	-150.00	-5769.30	-341.94	66.84	-1.213e+04	3168.55	2012.75
6	49	-100.00	-4765.59	-528.60	468.24	1.300e+04	1.872e+04	1088.55
6	49	-50.00	-3789.76	-625.86	807.18	4.645e+04	5.419e+04	-4532.52
6	49	0.0	-270.45	700.02	-219.29	1776.50	566.30	-1.303e+04
6	58	-300.00	-6577.15	1353.51	-1663.08	2.888e+04	1.071e+05	2094.00
6	58	-250.00	-6668.64	1393.22	-1027.16	-9448.43	3.983e+04	4478.43
6	58	-200.00	-6017.98	1185.52	-407.98	700.07	6136.47	2522.96
6	58	-150.00	-5334.96	856.41	17.32	1.479e+04	69.07	2005.47
6	58	-100.00	-4598.14	468.22	421.10	3.522e+04	1.551e+04	1519.64
6	58	-50.00	-3781.29	135.83	803.70	5.730e+04	5.264e+04	-3331.66
6	58	0.0	-269.86	935.12	-219.21	1802.99	729.53	-1.158e+04
6	64	-300.00	-7161.61	1341.53	-1659.98	2.126e+04	1.084e+05	2094.24
6	64	-250.00	-7172.03	1383.40	-1026.26	-1.656e+04	4.125e+04	4499.31
6	64	-200.00	-6384.16	1178.36	-395.02	-4985.75	7475.40	2558.94
6	64	-150.00	-5561.14	851.16	38.33	9545.82	1531.15	2013.35
6	64	-100.00	-4704.49	466.27	439.00	3.009e+04	1.688e+04	1469.38
6	64	-50.00	-3810.41	140.94	797.45	5.287e+04	5.296e+04	-3544.13
6	64	0.0	-267.93	899.89	-216.42	1722.71	650.00	-1.194e+04
6	74	-300.00	-1.138e+04	-45.98	-2480.51	-2.803e+04	1.668e+05	2137.56
6	74	-250.00	-1.117e+04	-55.67	-1591.01	-2.103e+04	6.501e+04	5661.57
6	74	-200.00	-1.008e+04	-194.09	-576.55	2.624e+04	1.289e+04	4620.67
6	74	-150.00	-8958.67	-431.37	174.67	6.796e+04	6244.76	4358.59
6	74	-100.00	-7851.83	-740.43	920.68	1.140e+05	3.731e+04	2782.97
6	74	-50.00	-6838.52	-918.58	1634.85	1.717e+05	1.072e+05	-9475.12
6	74	0.0	-269.29	1596.20	253.73	3786.08	-3641.83	-2.496e+04
6	75	-300.00	-1.119e+04	-1.30	-2281.27	-4.041e+04	1.546e+05	1909.27
6	75	-250.00	-1.089e+04	-4.11	-1474.60	-3.570e+04	6.070e+04	5114.34
6	75	-200.00	-9653.61	-140.06	-550.71	7515.63	1.211e+04	4170.47
6	75	-150.00	-8390.20	-371.86	126.37	4.483e+04	4928.77	3865.46
6	75	-100.00	-7169.39	-668.20	785.35	8.615e+04	3.149e+04	2387.53
6	75	-50.00	-6084.33	-839.99	1421.89	1.387e+05	9.251e+04	-8453.26
6	75	0.0	-264.89	1333.74	312.05	3132.55	-3615.99	-2.185e+04
6	77	-300.00	-9028.67	85.90	-2265.37	-1.243e+04	1.480e+05	1961.16
6	77	-250.00	-9081.99	82.35	-1411.37	-1.098e+04	5.611e+04	5046.28
6	77	-200.00	-8394.89	-59.27	-501.53	2.565e+04	1.028e+04	3894.63
6	77	-150.00	-7664.80	-280.15	172.02	6.000e+04	5325.79	3561.30
6	77	-100.00	-6880.55	-538.94	859.45	9.877e+04	3.476e+04	2506.49
6	77	-50.00	-6053.88	-693.33	1498.27	1.448e+05	1.000e+05	-7053.97
6	77	0.0	-277.96	1473.97	-408.13	3522.74	632.27	-2.215e+04
6	78	-300.00	-8439.99	219.95	-1667.67	-4.957e+04	1.114e+05	1276.28
6	78	-250.00	-8241.06	237.04	-1062.16	-5.500e+04	4.317e+04	3404.60
6	78	-200.00	-7112.11	102.82	-424.03	-3.051e+04	7941.87	2544.03
6	78	-150.00	-5959.40	-101.61	27.12	-9377.05	1377.83	2081.92
6	78	-100.00	-4833.21	-322.24	453.46	1.518e+04	1.732e+04	1320.15
6	78	-50.00	-3791.29	-457.58	859.40	4.585e+04	5.592e+04	-3988.40
6	78	0.0	-264.75	686.61	-233.17	1562.13	709.80	-1.283e+04
6	80	-300.00	-6823.96	284.84	-1652.24	-2.830e+04	1.068e+05	1283.47
6	80	-250.00	-6884.13	301.46	-1017.91	-3.637e+04	4.008e+04	3357.71
6	80	-200.00	-6162.38	159.02	-398.31	-1.723e+04	6617.40	2413.66

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

6	80	-150.00	-5405.80	-51.91	30.50	1450.22	744.84	1964.80
6	80	-100.00	-4603.72	-282.48	435.57	2.517e+04	1.633e+04	1236.73
6	80	-50.00	-3754.59	-434.99	813.04	5.445e+04	5.337e+04	-3984.73
6	80	0.0	-272.43	802.71	-221.33	1859.76	688.20	-1.223e+04

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.650e+04	-1386.95	-2570.30	-1.609e+05	-8201.84	-4.089e+04
			-236.56	6514.92	1637.42	3.018e+05	1.777e+05	9403.81

Macro	Tipo	Angolo 1-Z (gradi)
7	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
7	1	-300.00	-1.758e+04	1581.76	5492.11	-1506.66	-2.860e+05	-4411.85
7	1	-250.00	-1.751e+04	1770.00	4647.50	3.683e+04	-3.252e+04	-6263.34
7	1	-200.00	-1.585e+04	1246.73	1689.75	5.934e+04	3.619e+04	-4792.79
7	1	-150.00	-1.434e+04	642.37	-64.33	4.736e+04	1.325e+04	-4377.89
7	1	-100.00	-1.294e+04	109.77	-1696.69	1.257e+04	-6.960e+04	-3999.52
7	1	-50.00	-1.158e+04	-103.34	-3232.41	-1.644e+04	-2.128e+05	-2111.95
7	4	-300.00	-1.250e+04	3025.93	2032.65	-8.474e+04	-1.491e+05	-4857.36
7	4	-250.00	-1.248e+04	3202.91	1148.64	-3207.88	-6.952e+04	-7319.86
7	4	-200.00	-1.119e+04	2482.48	323.41	3.279e+04	-2.962e+04	-4386.90
7	4	-150.00	-1.004e+04	1633.24	-299.85	2.814e+04	-2.687e+04	-3781.20
7	4	-100.00	-8971.45	896.51	-962.81	-206.70	-5.631e+04	-3746.16
7	4	-50.00	-7930.98	585.93	-1451.39	-1.699e+04	-1.182e+05	-2559.11
7	7	-300.00	-1.699e+04	2051.68	810.14	-2548.47	-1.552e+05	-6129.91
7	7	-250.00	-1.706e+04	2209.51	-1012.67	3.781e+04	-1.602e+05	-8810.95
7	7	-200.00	-1.553e+04	1651.15	-640.87	5.793e+04	-1.062e+05	-6333.34
7	7	-150.00	-1.414e+04	1006.17	-887.95	4.398e+04	-7.697e+04	-5729.28
7	7	-100.00	-1.283e+04	441.03	-1367.54	1.136e+04	-8.994e+04	-5425.36
7	7	-50.00	-1.151e+04	205.75	-1445.18	-1.000e+04	-1.450e+05	-3239.27
7	9	-300.00	-1.056e+04	-504.59	-245.00	8.445e+04	-7.697e+04	-2474.78
7	9	-250.00	-1.061e+04	-479.42	-1655.69	5.605e+04	-1.245e+05	-3159.84
7	9	-200.00	-9231.26	-489.63	-782.55	4.904e+04	-8.973e+04	-3019.35
7	9	-150.00	-7922.03	-482.03	-609.87	3.609e+04	-5.714e+04	-2724.07
7	9	-100.00	-6645.42	-483.48	-568.82	2.021e+04	-4.382e+04	-2224.79
7	9	-50.00	-5379.40	-480.34	-211.05	3054.66	-4.657e+04	-970.88
7	10	-300.00	-9152.46	-6527.88	914.68	4.123e+05	-7.577e+04	2979.94
7	10	-250.00	-8881.75	-6629.72	448.23	2.076e+05	-4.170e+04	6311.42
7	10	-200.00	-7444.82	-5885.68	135.45	1.321e+05	-2.219e+04	576.21
7	10	-150.00	-6040.34	-4897.66	-105.24	9.369e+04	-1.788e+04	260.10
7	10	-100.00	-4734.85	-3972.63	-354.68	6.799e+04	-2.623e+04	1768.04
7	10	-50.00	-3573.57	-3397.76	-529.23	9017.72	-4.731e+04	2981.20
7	14	-300.00	-9152.12	-6491.89	914.72	4.119e+05	-7.578e+04	3045.67
7	14	-250.00	-8880.90	-6591.28	448.60	2.073e+05	-4.170e+04	6426.89
7	14	-200.00	-7443.80	-5847.61	135.62	1.314e+05	-2.218e+04	670.97
7	14	-150.00	-6039.46	-4859.58	-105.02	9.280e+04	-1.786e+04	332.60
7	14	-100.00	-4734.11	-3934.67	-354.45	6.731e+04	-2.620e+04	1808.73
7	14	-50.00	-3572.91	-3360.98	-529.40	9115.32	-4.727e+04	2999.91
7	25	-300.00	-7067.69	4087.10	1691.87	-1.865e+05	-1.046e+05	-4339.86
7	25	-250.00	-7209.05	4240.50	1112.24	-6.380e+04	-3.451e+04	-7213.93
7	25	-200.00	-6273.08	3562.27	495.04	-1.231e+04	-3190.56	-3258.94
7	25	-150.00	-5434.04	2694.58	92.59	-2649.98	1593.06	-2559.94
7	25	-100.00	-4615.30	1879.17	-362.72	-1.517e+04	-1.544e+04	-2856.51
7	25	-50.00	-3742.23	1417.27	-960.94	-1.267e+04	-6.069e+04	-2517.48
7	32	-300.00	-1.377e+04	147.28	1222.47	5.538e+04	-9.857e+04	-2431.25
7	32	-250.00	-1.301e+04	214.35	704.72	6.050e+04	-5.039e+04	-2964.42
7	32	-200.00	-1.038e+04	-1.38	202.32	6.749e+04	-2.238e+04	-2042.63
7	32	-150.00	-7871.64	-237.85	-197.54	5.445e+04	-1.738e+04	-1412.59
7	32	-100.00	-5626.64	-457.70	-558.74	2.768e+04	-3.106e+04	-728.68
7	32	-50.00	-3901.40	-559.27	-792.77	-5546.75	-6.105e+04	-132.75
7	42	-300.00	-8436.17	-1815.12	1334.31	1.412e+05	-9.341e+04	-402.20
7	42	-250.00	-8355.47	-1808.53	693.20	8.295e+04	-4.272e+04	121.17
7	42	-200.00	-7149.70	-1728.18	213.68	6.500e+04	-1.527e+04	-1254.13
7	42	-150.00	-5993.83	-1576.56	-163.20	4.818e+04	-1.068e+04	-1143.98
7	42	-100.00	-4891.50	-1401.79	-518.99	2.852e+04	-2.500e+04	-447.08
7	42	-50.00	-3849.62	-1222.70	-753.39	-1312.98	-5.631e+04	456.27
7	57	-300.00	-7975.65	152.72	1395.93	2.742e+04	-9.619e+04	-1789.74
7	57	-250.00	-7975.47	195.33	735.78	2.778e+04	-4.289e+04	-2584.90
7	57	-200.00	-6869.44	164.21	240.70	3.116e+04	-1.423e+04	-2082.86
7	57	-150.00	-5829.92	105.99	-140.41	2.503e+04	-9207.62	-1763.07
7	57	-100.00	-4830.22	6.18	-503.53	1.331e+04	-2.372e+04	-1429.09
7	57	-50.00	-3849.06	-106.38	-762.36	1696.21	-5.629e+04	-707.80
7	59	-300.00	-7167.37	-974.44	1390.24	9.108e+04	-9.403e+04	-723.62
7	59	-250.00	-7253.05	-952.48	729.13	5.635e+04	-4.105e+04	-685.47
7	59	-200.00	-6368.03	-911.25	255.68	4.672e+04	-1.260e+04	-1426.17
7	59	-150.00	-5535.37	-840.53	-113.57	3.526e+04	-7402.40	-1294.66
7	59	-100.00	-4711.45	-773.73	-482.34	2.041e+04	-2.199e+04	-800.40
7	59	-50.00	-3837.75	-712.38	-779.35	88.74	-5.607e+04	9.80
7	64	-300.00	-9243.96	-585.70	1340.02	7.673e+04	-9.559e+04	-1405.07
7	64	-250.00	-9076.61	-552.80	700.51	5.505e+04	-4.457e+04	-1677.31
7	64	-200.00	-7649.90	-552.94	198.77	5.027e+04	-1.690e+04	-1810.25
7	64	-150.00	-6287.94	-544.95	-190.16	3.878e+04	-1.248e+04	-1517.73
7	64	-100.00	-5010.58	-557.95	-540.46	2.200e+04	-2.673e+04	-996.09
7	64	-50.00	-3861.56	-578.53	-736.74	608.24	-5.656e+04	-222.63
7	74	-300.00	-1.249e+04	932.33	2069.21	2.623e+04	-1.470e+05	-3490.55
7	74	-250.00	-1.246e+04	1048.82	1143.97	4.391e+04	-6.663e+04	-4932.53
7	74	-200.00	-1.121e+04	703.87	321.81	5.477e+04	-2.569e+04	-3816.37
7	74	-150.00	-1.006e+04	307.02	-337.47	4.262e+04	-2.315e+04	-3397.77
7	74	-100.00	-8982.98	-44.69	-1044.44	1.558e+04	-5.511e+04	-3017.74
7	74	-50.00	-7939.86	-187.88	-1581.62	-8265.73	-1.219e+05	-1609.23
7	75	-300.00	-1.138e+04	1676.20	1803.41	-1.909e+04	-1.310e+05	-3630.61
7	75	-250.00	-1.135e+04	1805.23	987.04	2.302e+04	-6.127e+04	-5309.68
7	75	-200.00	-1.008e+04	1335.75	280.43	4.335e+04	-2.536e+04	-3563.05
7	75	-150.00	-8933.38	787.08	-268.82	3.514e+04	-2.219e+04	-3069.58
7	75	-100.00	-7859.51	307.10	-848.45	9341.57	-4.767e+04	-2831.07
7	75	-50.00	-6820.77	107.06	-1273.62	-1.105e+04	-1.017e+05	-1724.69
7	77	-300.00	-1.148e+04	-996.73	2015.03	1.173e+05	-1.378e+05	-1944.86
7	77	-250.00	-1.144e+04	-945.88	1101.87	7.771e+04	-5.983e+04	-2315.75

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

7	77	-200.00	-1.025e+04	-923.69	320.97	6.633e+04	-1.975e+04	-2888.37
7	77	-150.00	-9130.83	-880.36	-320.07	4.959e+04	-1.672e+04	-2677.14
7	77	-100.00	-8065.67	-855.68	-992.56	2.722e+04	-4.703e+04	-2029.90
7	77	-50.00	-7033.90	-834.16	-1508.94	208.09	-1.104e+05	-576.29
7	78	-300.00	-8136.73	1234.88	1217.63	-1.864e+04	-8.998e+04	-2365.04
7	78	-250.00	-8094.13	1323.36	631.08	1.506e+04	-4.376e+04	-3447.21
7	78	-200.00	-6882.07	971.95	196.84	3.207e+04	-1.875e+04	-2128.41
7	78	-150.00	-5757.16	559.83	-114.11	2.715e+04	-1.385e+04	-1692.56
7	78	-100.00	-4695.28	199.70	-404.57	8509.06	-2.470e+04	-1469.88
7	78	-50.00	-3676.63	50.66	-584.96	-8141.39	-4.973e+04	-922.66
7	80	-300.00	-8205.61	-762.97	1365.13	8.378e+04	-9.481e+04	-1059.60
7	80	-250.00	-8164.67	-734.66	714.91	5.588e+04	-4.281e+04	-1175.22
7	80	-200.00	-7008.84	-715.82	227.22	4.877e+04	-1.475e+04	-1609.35
7	80	-150.00	-5911.68	-679.60	-151.92	3.731e+04	-9945.45	-1395.62
7	80	-100.00	-4861.18	-657.22	-511.49	2.142e+04	-2.437e+04	-886.62
7	80	-50.00	-3849.88	-642.20	-758.10	402.65	-5.632e+04	-100.63

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.758e+04	-6629.72	-3232.41	-1.865e+05	-2.860e+05	-8810.95
			-3572.91	4240.50	5492.11	4.123e+05	3.619e+04	6426.89

Macro	Tipo	Angolo 1-Z (gradi)
8	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
8	3	-50.00	12.84	3470.35	-1318.83	-1.449e+05	8.069e+04	1.874e+04
8	3	0.0	-356.33	3290.96	-1838.79	705.71	1751.89	2.719e+04
8	7	-50.00	240.83	4178.78	-1621.73	-1.671e+05	9.736e+04	2.483e+04
8	7	0.0	-353.95	4059.16	-2191.16	335.79	2038.62	3.492e+04
8	17	-50.00	19.13	1198.13	-605.46	-3.906e+04	2.366e+04	7876.74
8	17	0.0	-279.13	1206.80	-386.78	-212.17	-1144.29	1.186e+04
8	18	-50.00	-398.96	1350.56	-1242.88	-7.076e+04	2.949e+04	914.92
8	18	0.0	-266.12	1155.43	-135.08	839.42	-4961.19	3963.32
8	21	-50.00	20.79	1219.21	-602.86	-3.994e+04	2.349e+04	7762.87
8	21	0.0	-279.63	1212.19	-382.92	-207.73	-1150.82	1.163e+04
8	40	-50.00	-107.42	1700.55	-1020.11	-6.300e+04	3.047e+04	6173.91
8	40	0.0	-285.13	1398.88	-330.43	297.84	-3286.35	7754.10
8	49	-50.00	-21.86	1407.44	-797.94	-5.188e+04	2.670e+04	6808.64
8	49	0.0	-268.85	1386.08	-355.19	55.21	-2130.85	1.010e+04
8	56	-50.00	-36.49	1462.58	-807.93	-5.357e+04	2.690e+04	6574.32
8	56	0.0	-270.45	1405.52	-354.93	127.22	-2175.18	9696.07
8	65	-50.00	-13.11	1361.18	-825.72	-5.213e+04	2.675e+04	6552.29
8	65	0.0	-265.99	1349.64	-337.39	80.61	-2328.58	9901.00
8	72	-50.00	-65.35	1501.06	-864.44	-5.592e+04	2.776e+04	6008.42
8	72	0.0	-270.28	1403.21	-344.57	311.39	-2462.75	9006.43
8	74	-50.00	33.60	2809.95	-1161.00	-1.169e+05	6.266e+04	1.464e+04
8	74	0.0	-269.94	2674.43	-1329.98	581.77	389.45	2.114e+04
8	75	-50.00	-4.84	2406.75	-936.55	-9.958e+04	5.579e+04	1.287e+04
8	75	0.0	-274.15	2280.50	-1254.88	446.27	1008.69	1.870e+04
8	77	-50.00	91.58	2549.83	-1417.47	-1.009e+05	4.594e+04	1.179e+04
8	77	0.0	-261.82	2449.93	-571.44	614.72	-3778.34	1.722e+04
8	78	-50.00	-23.75	1340.25	-744.12	-4.900e+04	2.533e+04	6481.69
8	78	0.0	-274.47	1268.14	-346.14	208.21	-1920.64	9905.08
8	80	-50.00	-44.51	1413.30	-863.57	-5.419e+04	2.752e+04	6130.28
8	80	0.0	-267.37	1357.75	-337.16	215.21	-2492.24	9322.66

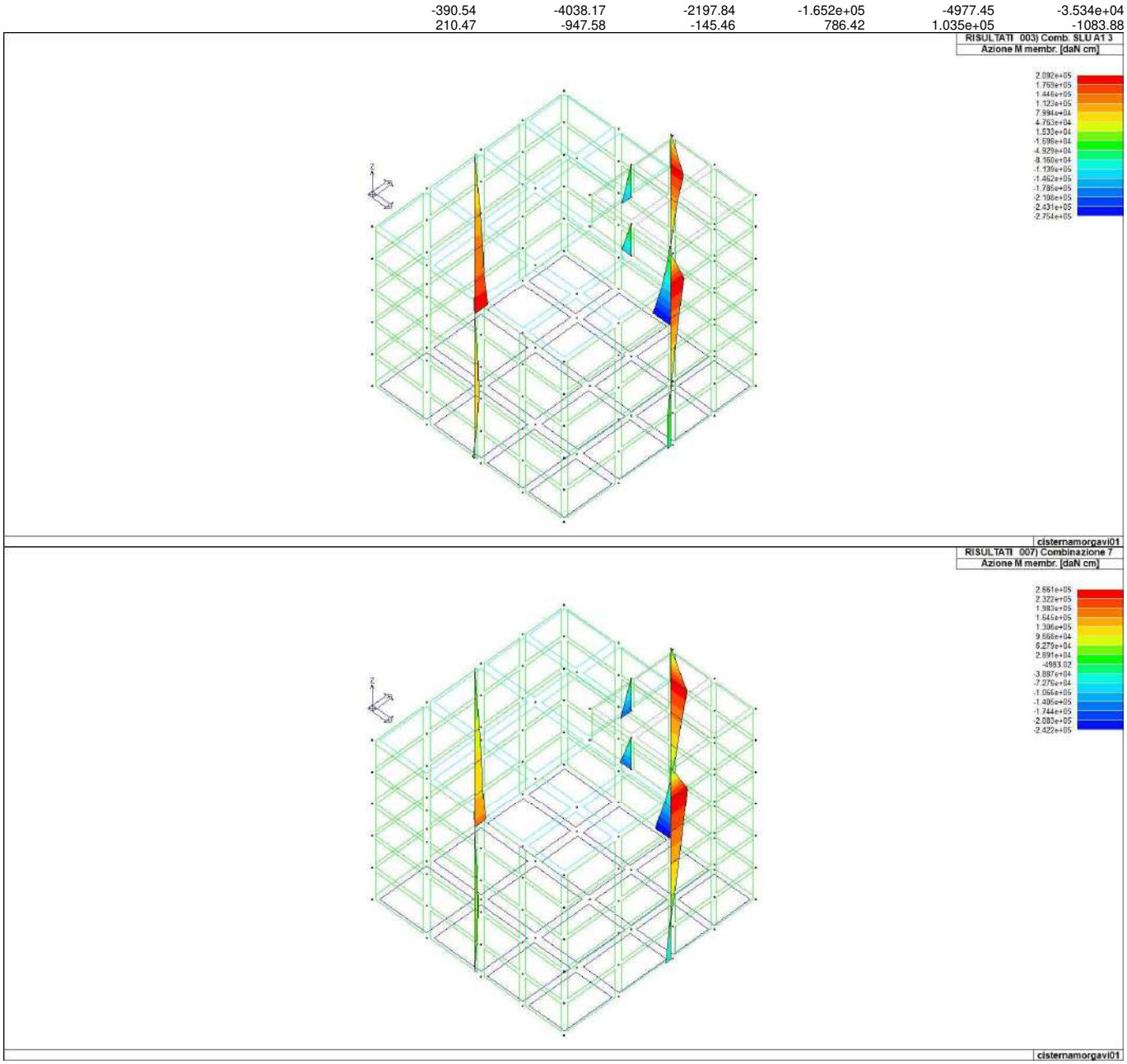
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-398.96	1155.43	-2191.16	-1.671e+05	-4961.19	914.92
			240.83	4178.78	-135.08	839.42	9.736e+04	3.492e+04

Macro	Tipo	Angolo 1-Z (gradi)
9	**Setto**	**0.0**

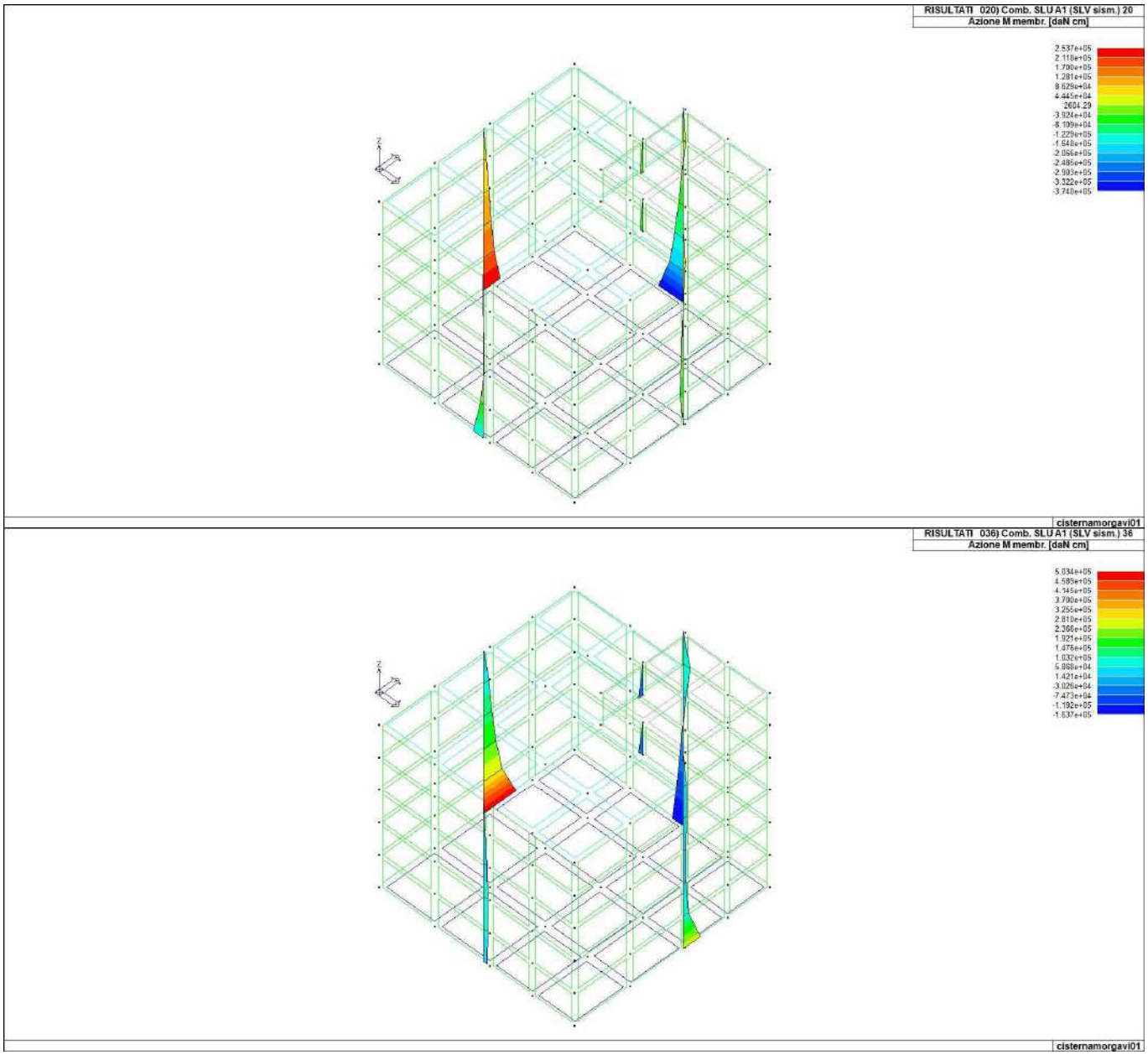
M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
9	7	-50.00	210.47	-4013.34	-1912.40	-1.652e+05	1.035e+05	-2.484e+04
9	7	0.0	-336.34	-4038.17	-2197.84	-301.97	769.44	-3.534e+04
9	9	-50.00	141.48	-2087.65	-1148.44	-7.287e+04	4.404e+04	-1.223e+04
9	9	0.0	-350.58	-2084.31	-699.82	-308.90	-2167.46	-1.727e+04
9	11	-50.00	-103.09	-1788.48	-1005.51	-6.664e+04	2.971e+04	-5907.80
9	11	0.0	-285.28	-1451.66	-314.61	422.56	-3292.26	-7015.84
9	17	-50.00	8.25	-947.58	-871.18	-3.650e+04	2.863e+04	-7622.03
9	17	0.0	-260.57	-1102.33	-369.97	-781.24	-2397.47	-1.214e+04
9	30	-50.00	-390.54	-1291.51	-1256.97	-6.843e+04	3.008e+04	-1083.88
9	30	0.0	-266.18	-1117.83	-145.46	786.42	-4977.45	-4401.00
9	33	-50.00	36.33	-1269.12	-560.35	-4.148e+04	2.232e+04	-7822.40
9	33	0.0	-280.23	-1240.50	-372.40	-270.94	-1002.81	-1.138e+04
9	43	-50.00	-54.49	-1519.23	-847.41	-5.648e+04	2.730e+04	-6049.91
9	43	0.0	-270.59	-1412.79	-340.49	286.56	-2402.54	-8910.76
9	49	-50.00	-0.25	-1332.14	-804.99	-5.100e+04	2.642e+04	-6755.62
9	49	0.0	-266.24	-1329.31	-340.44	-46.11	-2219.32	-1.013e+04
9	53	-50.00	1.13	-1354.69	-804.57	-5.155e+04	2.632e+04	-6717.49
9	53	0.0	-266.41	-1343.68	-337.33	-9.59	-2230.54	-1.004e+04
9	59	-50.00	-24.20	-1482.56	-785.56	-5.413e+04	2.630e+04	-6641.77
9	59	0.0	-270.82	-1416.18	-350.32	84.38	-2092.75	-9611.37
9	74	-50.00	13.97	-2699.34	-1354.88	-1.156e+05	6.678e+04	-1.465e+04
9	74	0.0	-258.25	-2659.93	-1334.55	161.36	-456.69	-2.142e+04
9	76	-50.00	-114.35	-2290.51	-955.11	-1.038e+05	6.914e+04	-1.317e+04
9	76	0.0	-262.02	-2262.90	-1704.02	-79.93	2658.17	-1.925e+04
9	77	-50.00	104.93	-2550.51	-1400.32	-1.007e+05	4.556e+04	-1.191e+04
9	77	0.0	-262.20	-2448.40	-570.39	556.51	-3703.44	-1.728e+04
9	79	-50.00	-135.40	-1376.93	-577.25	-5.869e+04	3.776e+04	-6751.40
9	79	0.0	-270.13	-1315.41	-895.46	20.74	941.02	-9961.77
9	80	-50.00	-32.08	-1414.72	-845.99	-5.401e+04	2.713e+04	-6242.51
9	80	0.0	-267.72	-1356.90	-335.93	155.10	-2416.19	-9377.54

M_S			N memb.	V memb.	V orto	M memb.	M orto	T

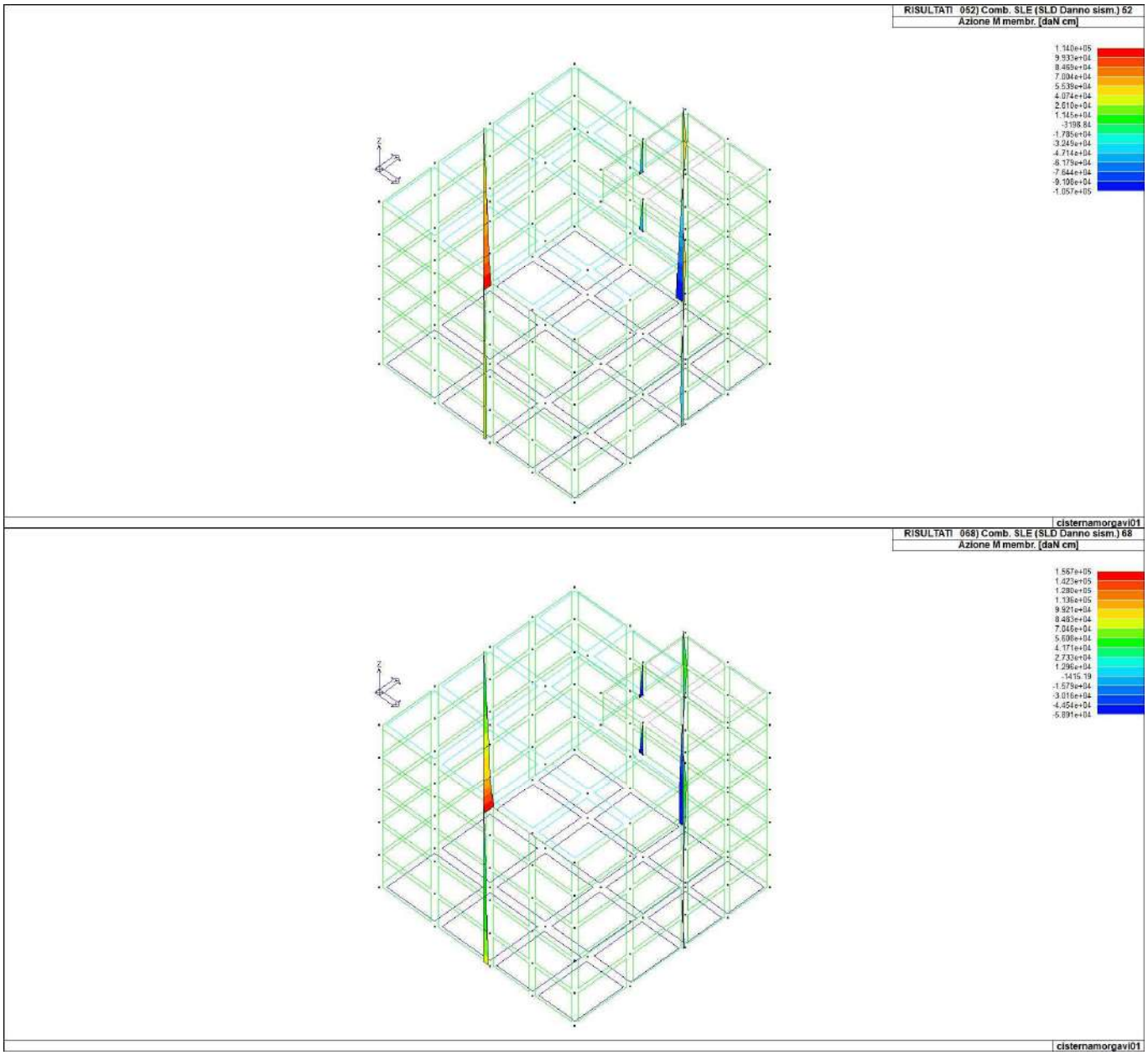
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



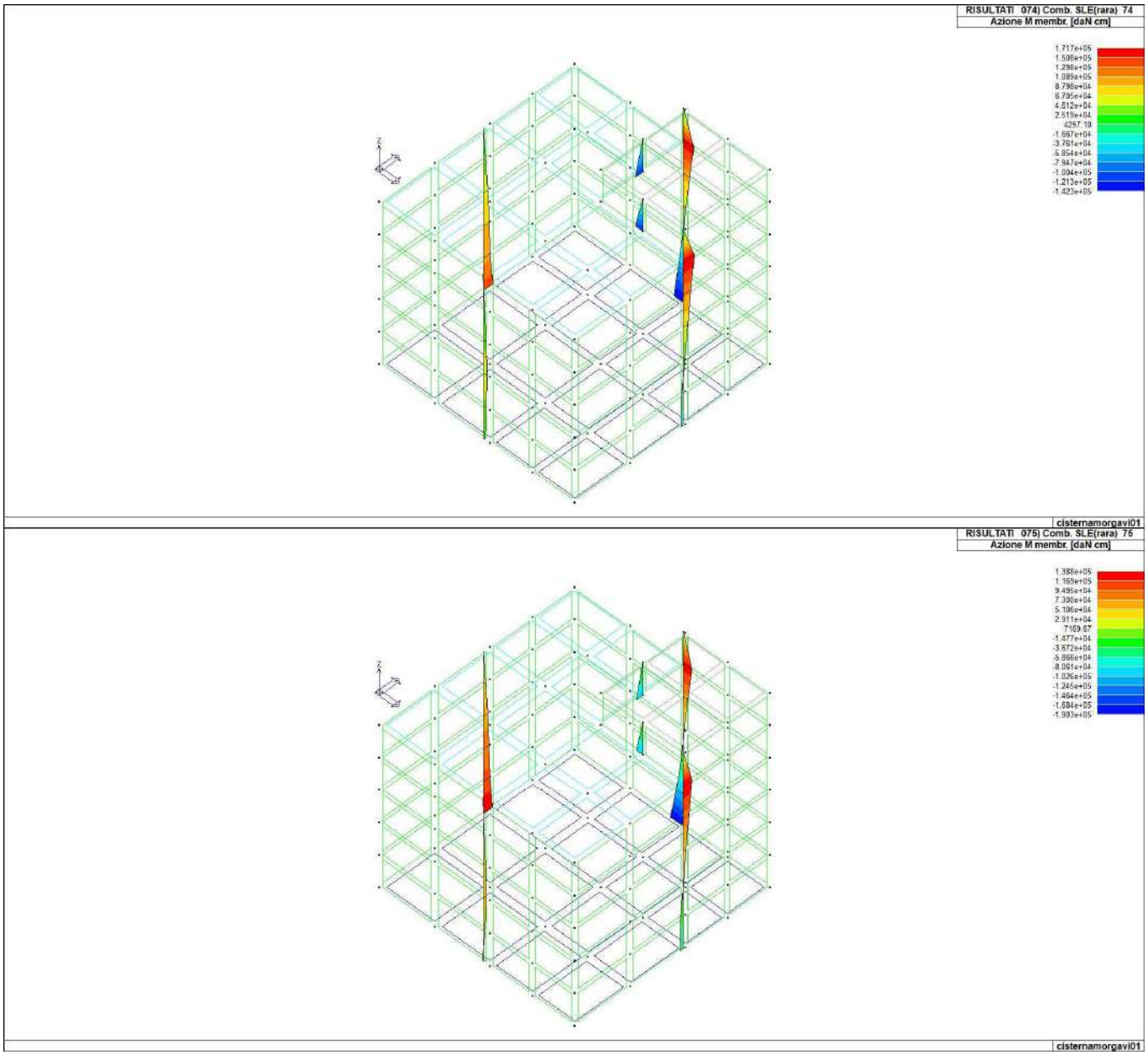
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



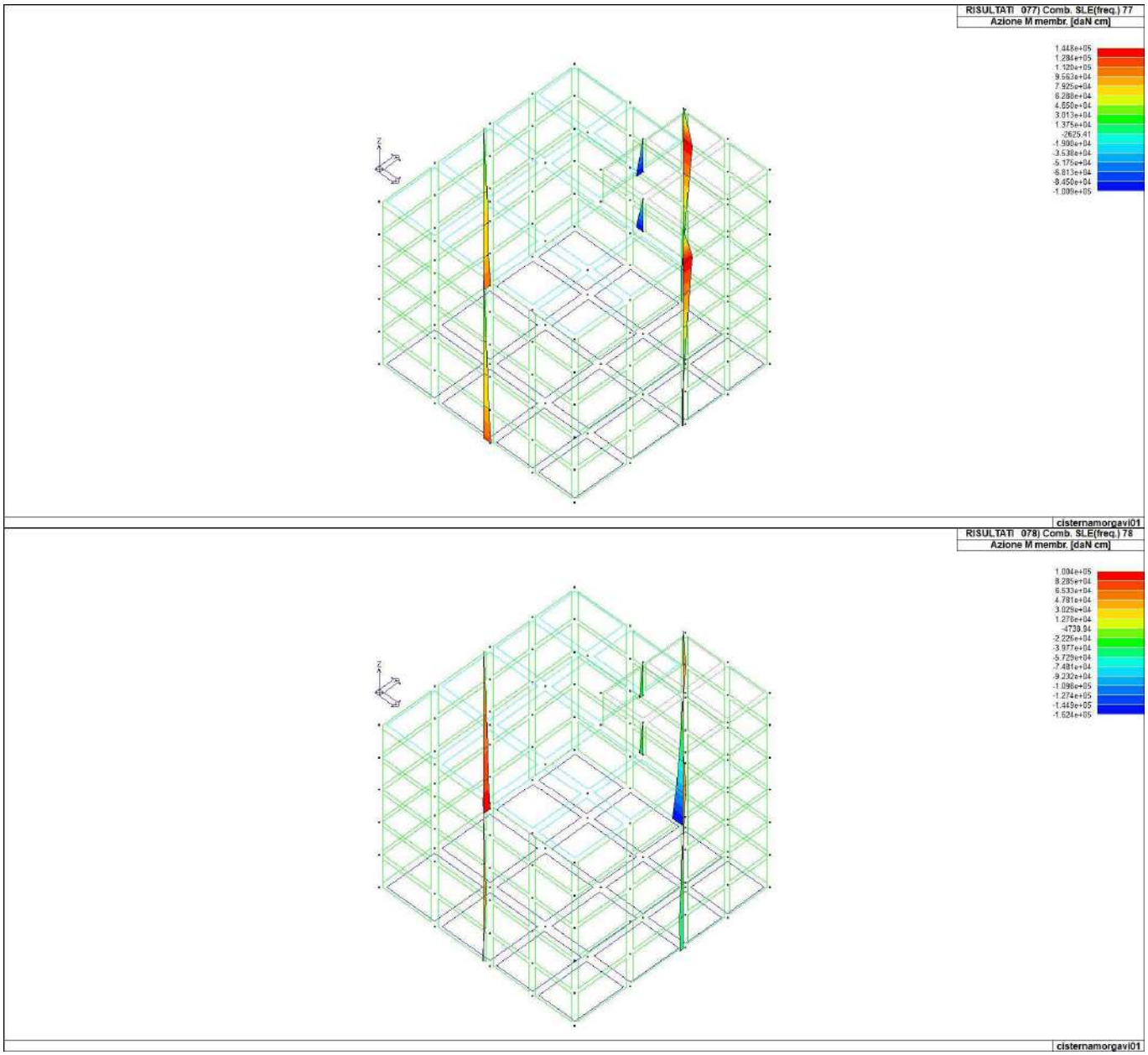
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



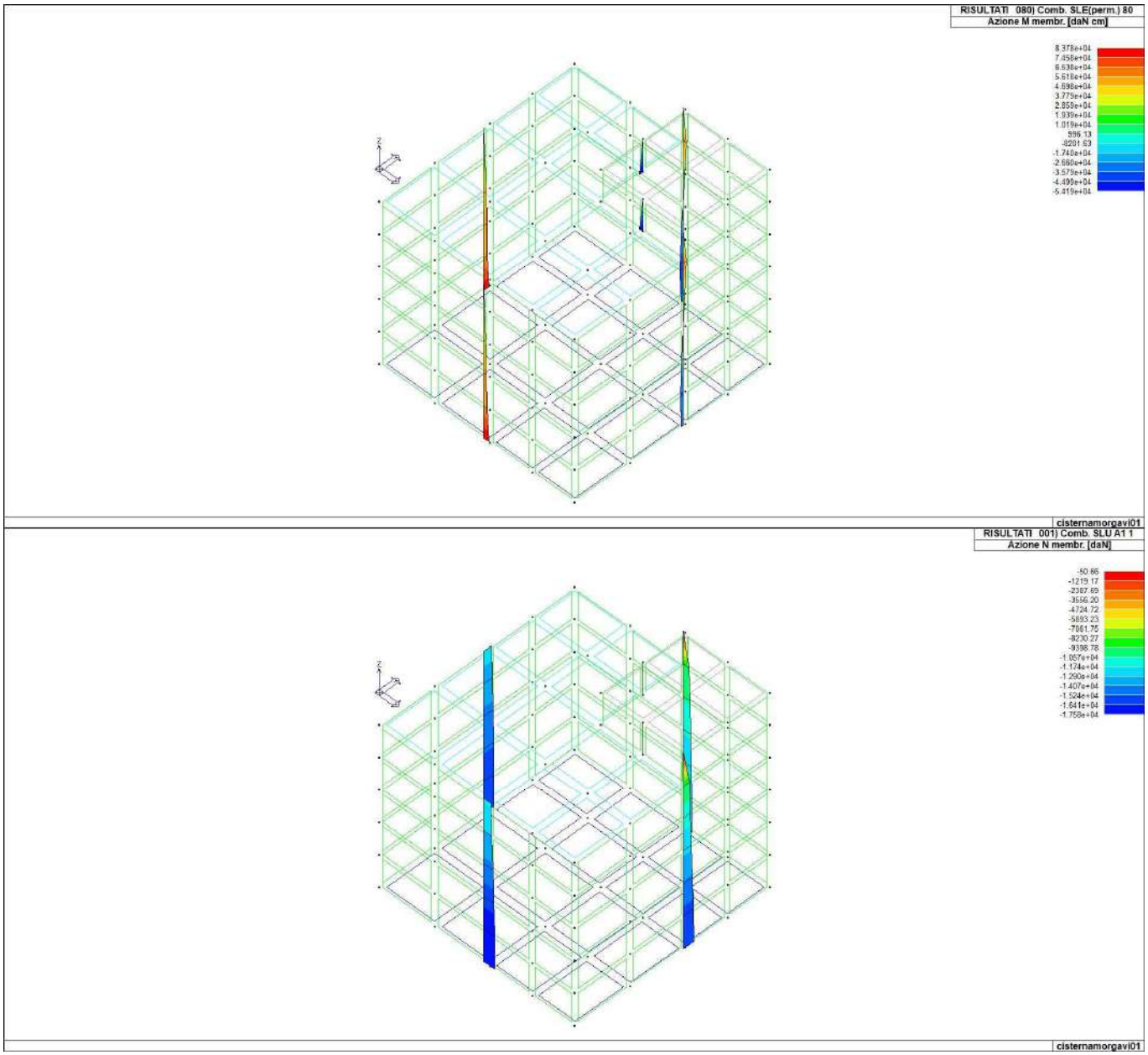
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



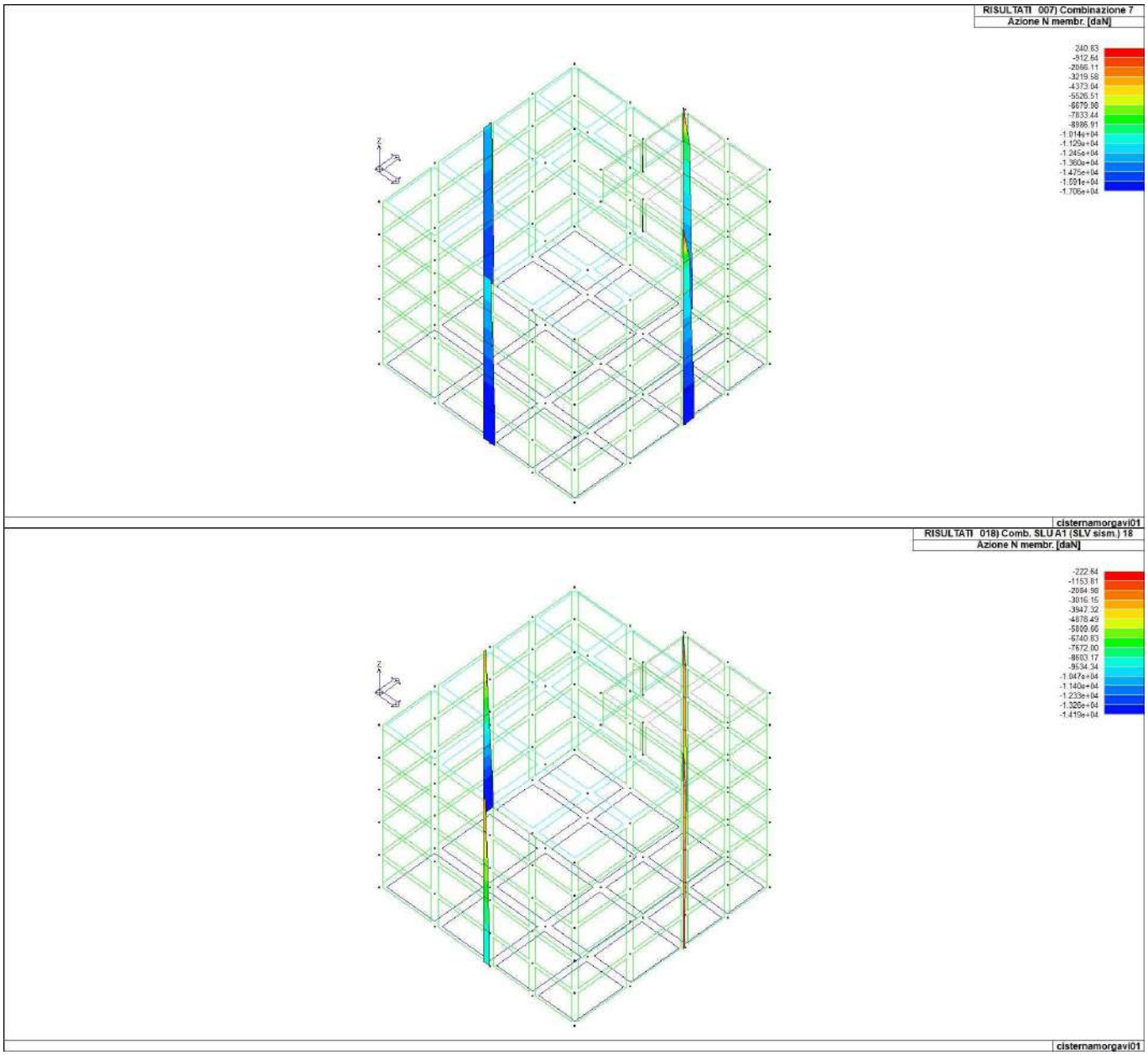
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



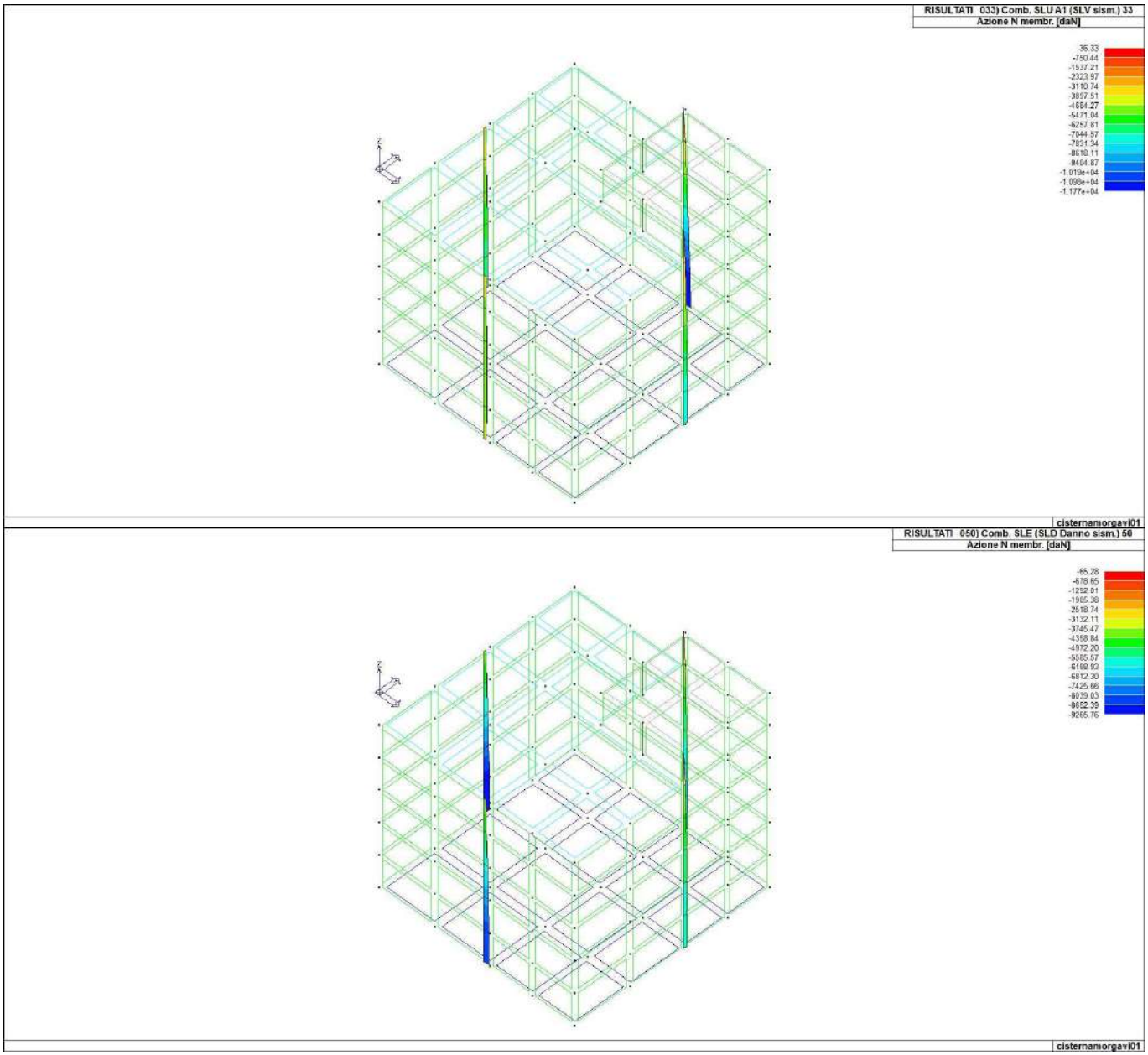
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



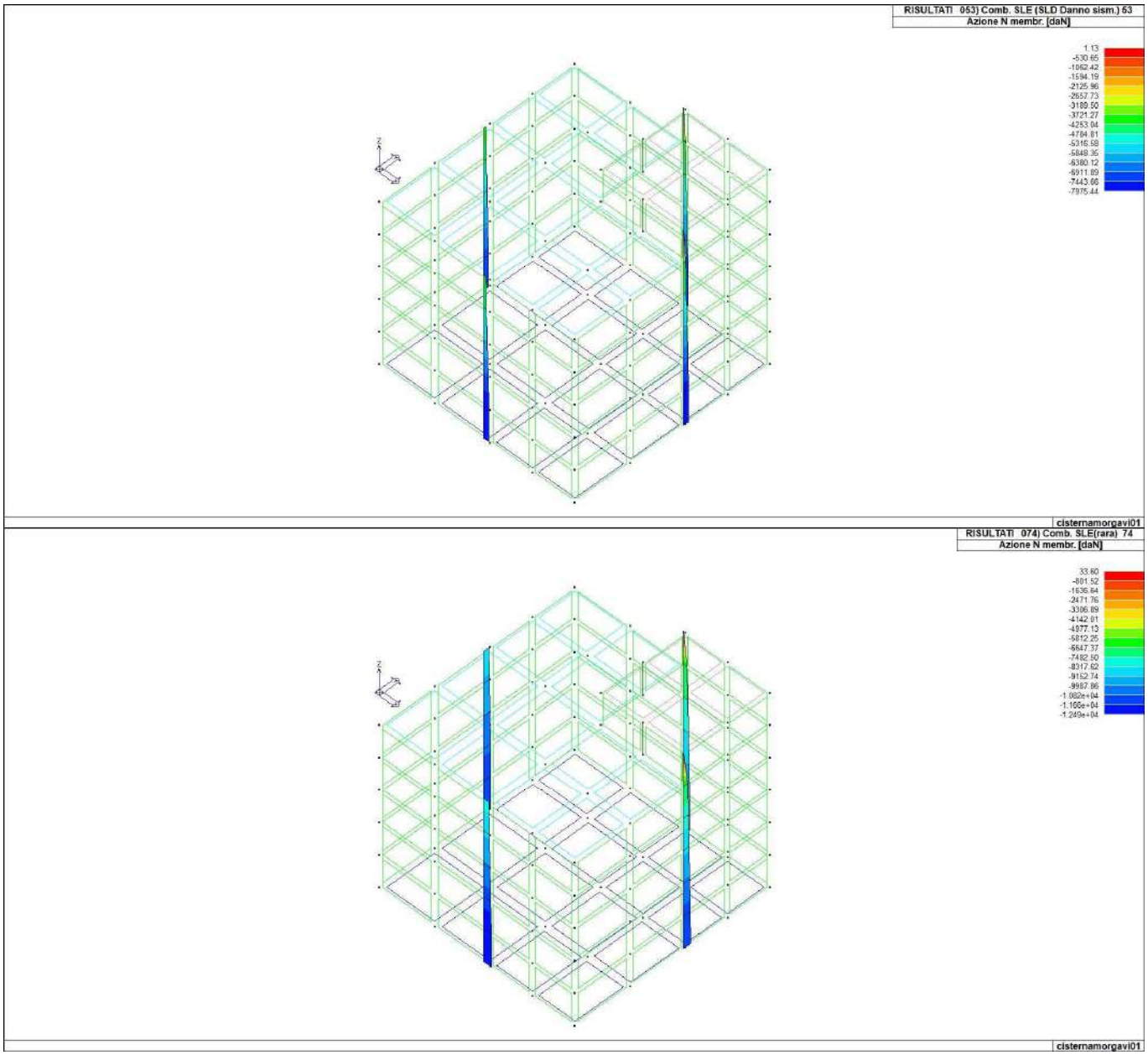
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



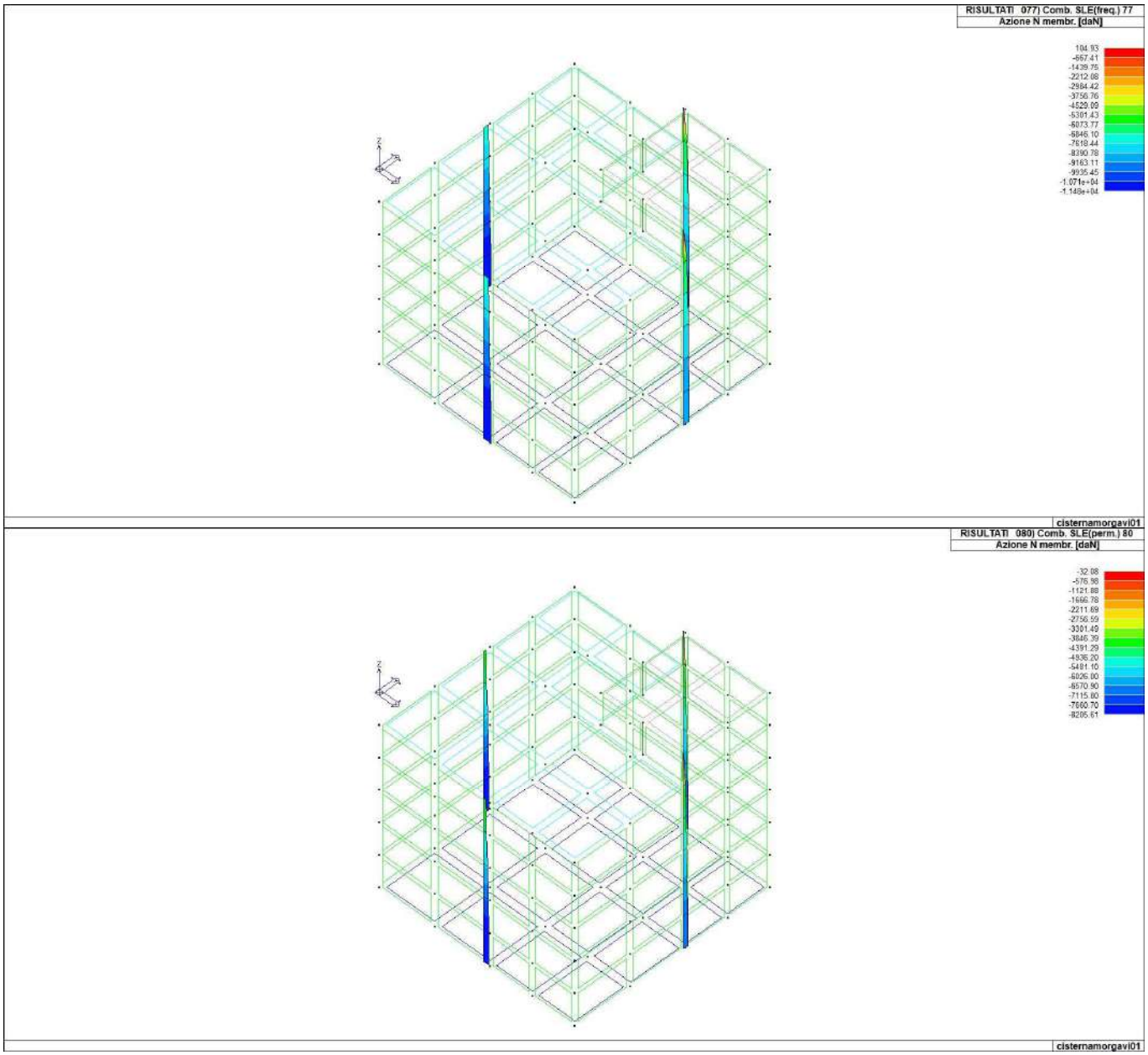
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



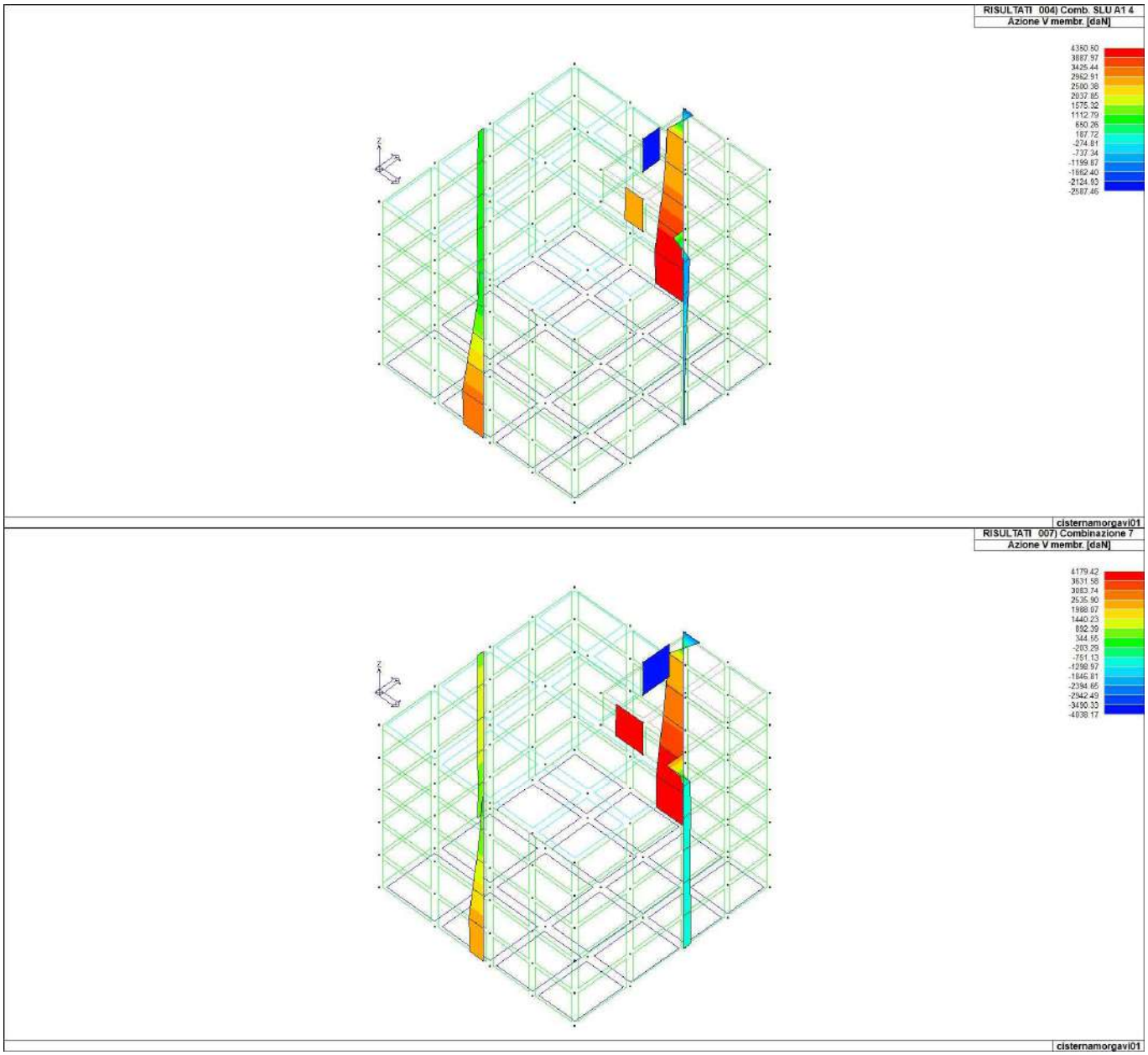
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



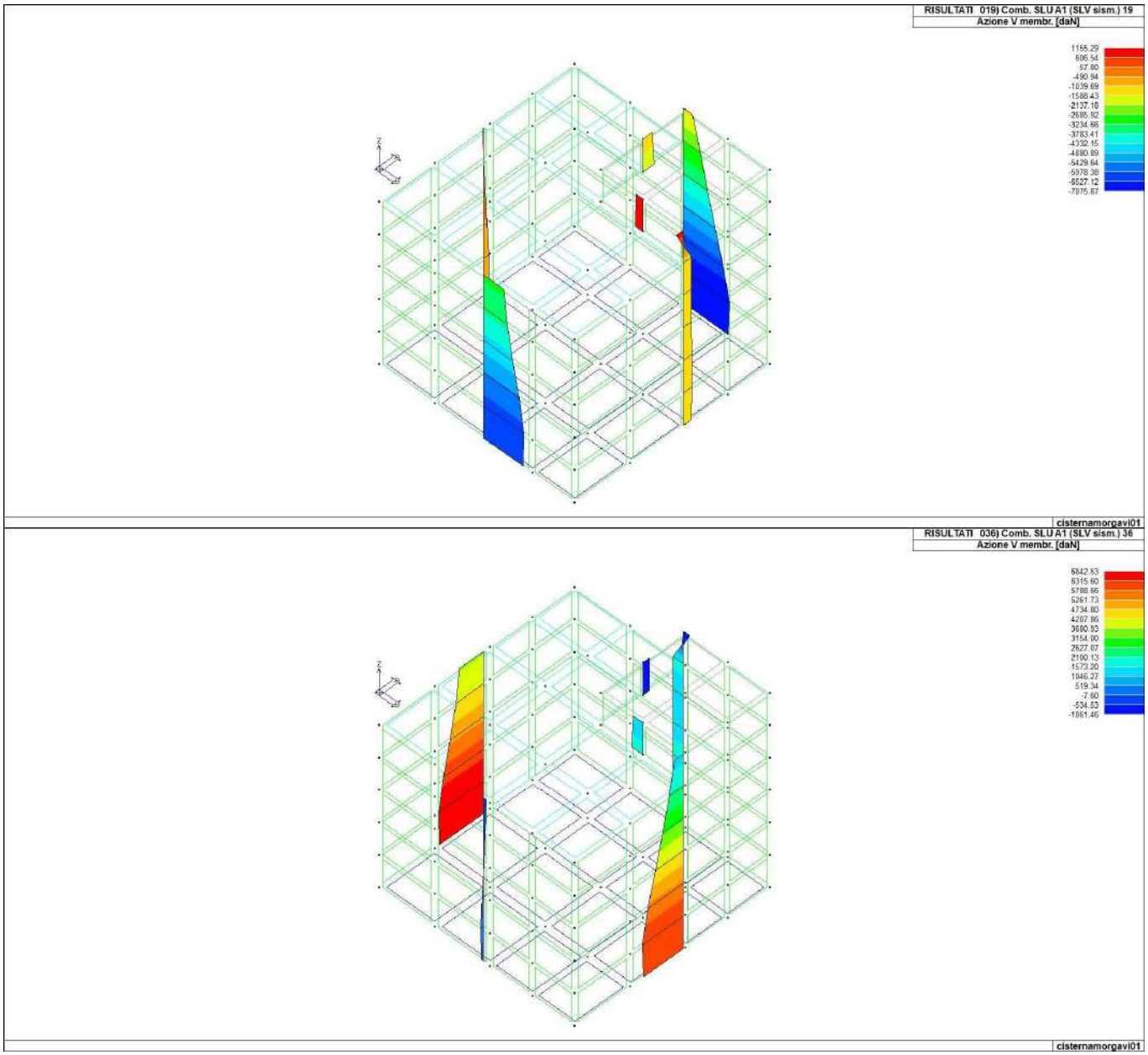
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



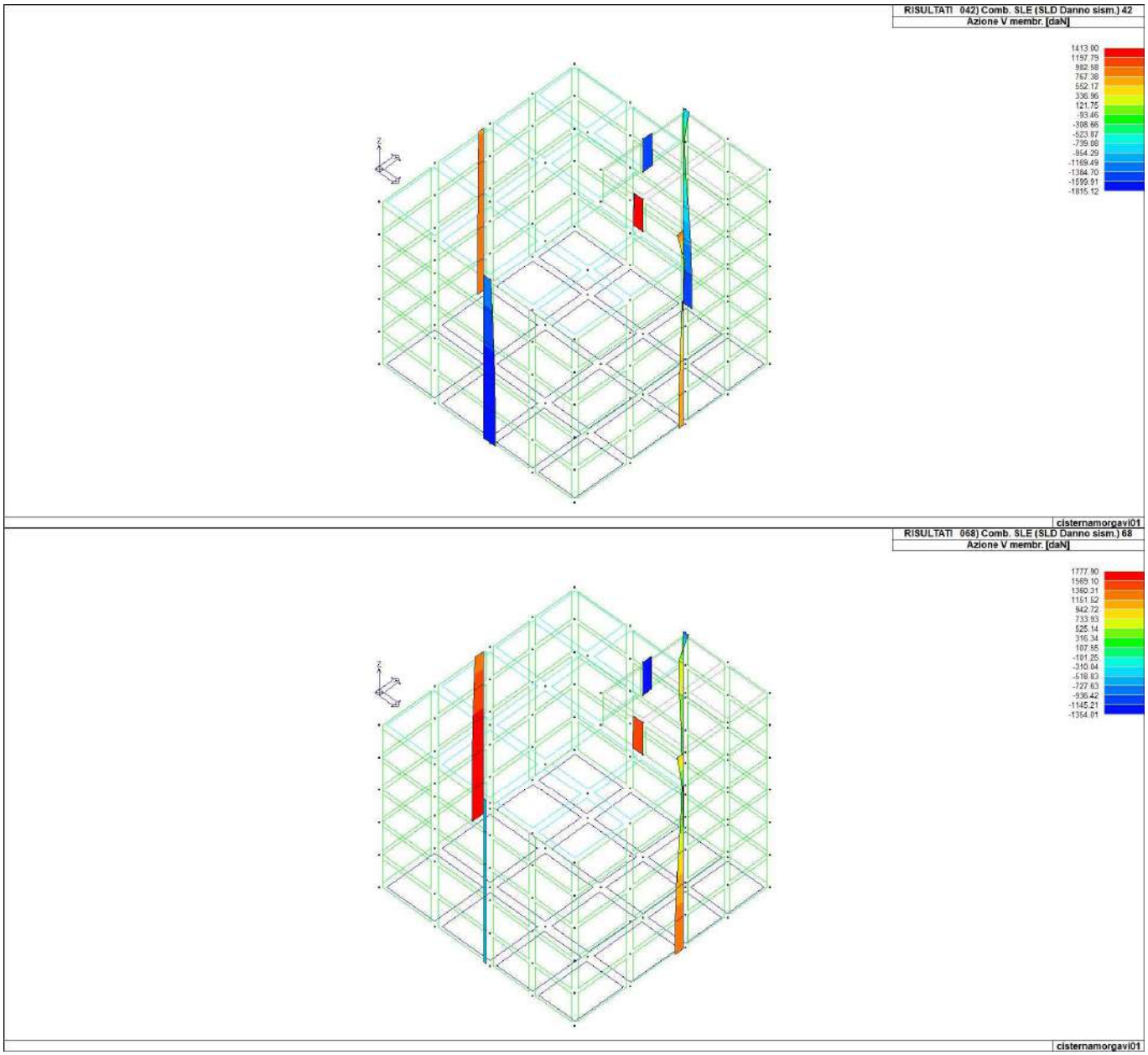
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



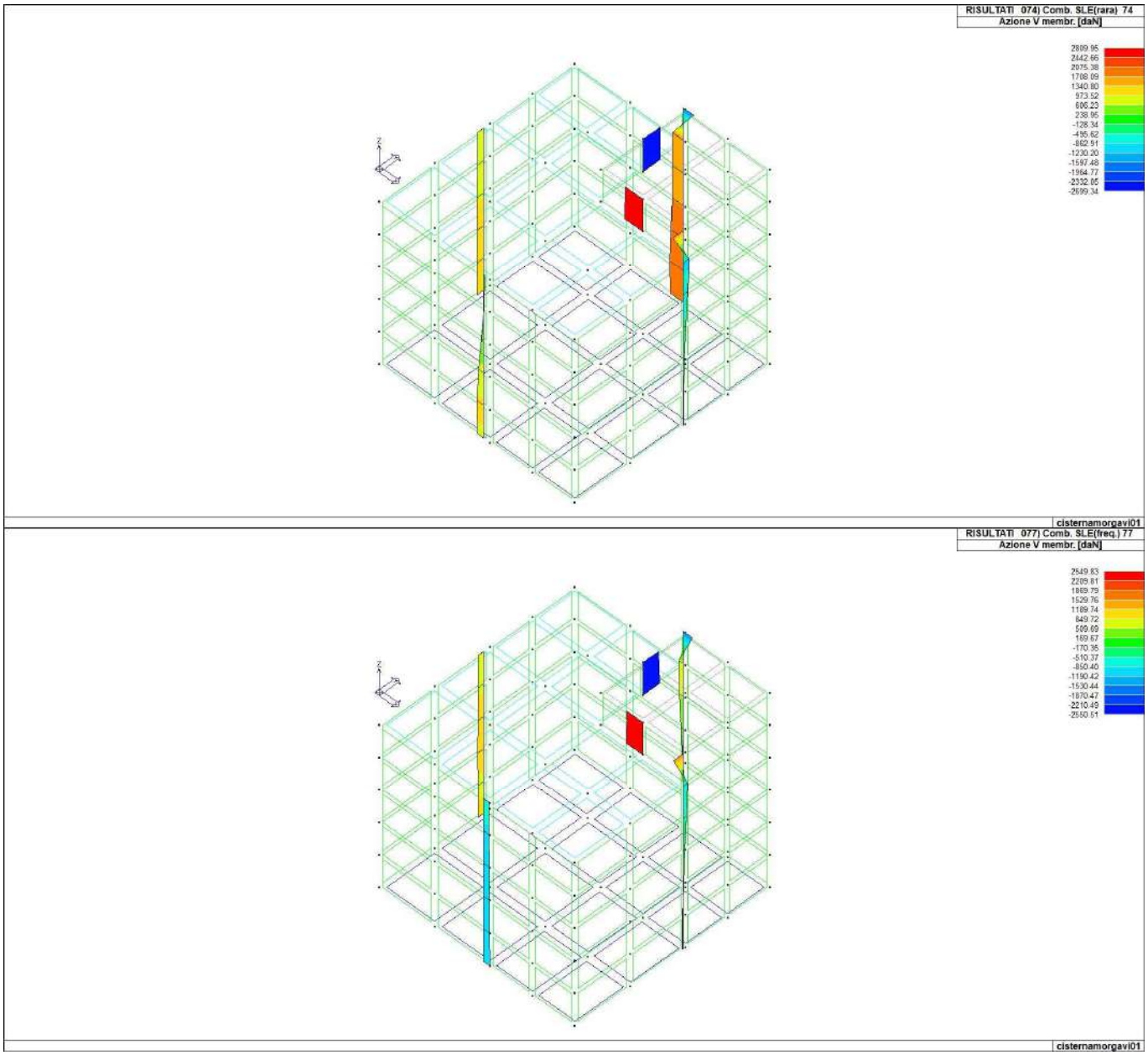
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



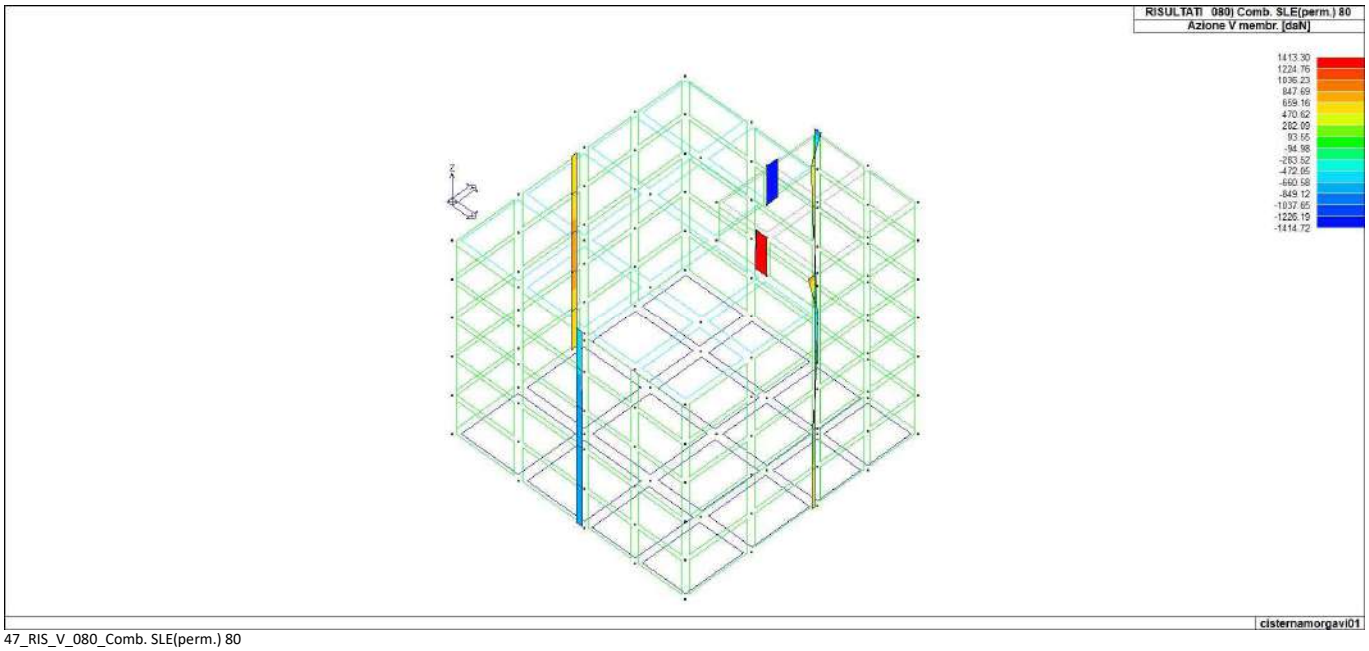
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



47_RIS_V_080_Comb. SLE(perm.) 80

Macro	Tipo	Angolo 1-X (gradi)
1	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	1	16.08	4.15	13.66	6.56	-4.80	135.52	-486.45	-223.88	-127.04	-307.19
1	1	2	16.91	-10.03	7.01	-0.13	12.99	59.30	-306.61	-172.59	-74.71	176.29
1	1	3	11.05	1.14	3.34	8.85	4.12	85.45	-414.02	-140.45	-188.12	248.59
1	1	4	10.07	-4.82	1.46	3.79	-7.35	39.97	-354.91	-135.55	-179.39	-196.22
1	1	5	-25.27	-46.37	-30.03	-41.61	8.81	-271.91	-1692.68	-275.01	-1689.57	-66.35
1	1	6	-34.82	-43.03	-42.89	-34.96	1.06	-286.48	-1671.33	-1665.84	-291.97	-87.03
1	1	7	-28.14	-33.87	-33.85	-28.17	-0.35	1267.32	1113.16	1215.61	1164.87	-72.79
1	1	8	-27.62	-41.20	-29.56	-39.26	-4.75	-257.01	-1569.61	-263.56	-1563.05	92.53
1	1	9	-20.90	-50.08	-49.93	-21.05	2.09	-327.98	-1872.25	-1865.60	-334.63	101.12
1	1	10	-30.83	-37.43	-30.93	-37.33	0.80	-28.93	-1407.58	-131.27	-1305.24	-361.42
1	1	11	-18.17	-36.30	-31.68	-22.79	7.91	1597.59	610.49	1105.59	1102.49	-493.55
1	1	12	-19.77	-47.35	-46.58	-20.54	4.54	-174.22	-1682.42	-1623.68	-232.96	-291.79
1	1	13	-26.13	-34.72	-29.53	-31.31	-4.20	1239.05	880.56	920.01	1199.59	112.19
1	1	14	-20.77	-39.30	-39.30	-20.77	-0.22	1182.26	803.03	1127.03	858.26	133.77
1	1	15	-19.10	-31.11	-19.38	-30.83	1.82	-103.66	-1336.96	-173.28	-1267.35	284.63
1	1	16	-14.24	-38.36	-38.36	-14.24	-7.54e-02	-126.41	-1360.48	-1261.94	-224.95	334.51
1	1	17	-20.61	-32.53	-30.11	-23.04	-4.80	1252.96	156.72	753.37	656.31	545.97
1	1	18	-26.47	-36.16	-28.80	-33.84	4.14	910.63	597.83	697.49	810.98	-145.74
1	1	20	-29.18	-40.03	-38.49	-30.72	-3.78	-88.06	-1412.22	-1357.92	-142.36	262.58
1	1	21	-31.62	-46.02	-42.64	-34.99	6.10	-21.36	-1246.91	-1149.07	-119.19	-332.15
1	1	22	-16.32	-39.74	-29.48	-26.58	-11.62	1340.77	297.91	773.72	864.95	519.43
1	1	23	-21.40	-37.40	-23.75	-35.05	-5.67	-5.41	-1235.96	-141.55	-1099.81	386.00
1	1	24	-28.28	-37.44	-37.42	-28.30	-0.35	905.33	532.18	803.12	634.40	-166.41
1	1	25	-16.27	-43.09	-30.62	-28.74	13.38	1280.48	26.80	647.95	659.33	-626.81
1	1	26	-19.02	-44.44	-25.02	-38.44	10.79	-58.30	-1285.42	-153.51	-1190.20	-328.30
1	7	1	18.92	-30.45	-1.86	-9.67	24.38	327.51	-709.50	-243.04	-138.95	-515.89
1	7	2	0.80	-30.28	-12.21	-17.28	-15.33	233.59	-515.81	-187.70	-94.53	371.79
1	7	3	14.25	-36.07	-12.70	-9.12	-25.10	255.84	-620.99	-165.89	-199.26	438.10
1	7	4	12.28	-43.51	-16.64	-14.60	27.88	231.13	-590.38	-158.34	-200.92	-410.21
1	7	5	30.19	2.89	13.02	20.06	13.19	-86.09	-869.39	-96.50	-858.98	-89.67
1	7	6	22.51	7.36	19.47	10.41	6.07	-105.98	-815.80	-802.27	-119.51	-97.06
1	7	7	9.51	4.45	4.72	9.24	1.15	1270.89	1104.31	1213.91	1161.29	-79.02
1	7	8	24.87	13.88	17.62	21.13	-5.21	-77.92	-788.55	-100.99	-765.48	125.94
1	7	9	24.94	10.44	10.50	24.87	0.95	-154.03	-1119.03	-1103.22	-169.84	122.53
1	7	10	16.26	-2.69	-0.94	14.50	-5.49	259.79	-1041.85	25.38	-807.44	-500.17
1	7	11	16.45	0.32	4.61	12.16	-7.13	1709.84	769.38	1255.15	1224.06	-469.97
1	7	12	10.94	4.71	5.61	10.04	-2.19	75.92	-1285.62	-1124.48	-85.22	-439.81
1	7	13	14.28	1.61	1.61	14.28	1.34e-02	1276.05	902.55	931.77	1246.84	100.30
1	7	14	11.79	4.17	6.98	8.99	3.68	1275.24	878.21	1245.86	907.58	103.93
1	7	15	22.70	-0.64	5.40	16.67	10.22	189.85	-974.26	-14.11	-770.29	442.53
1	7	16	10.47	0.44	5.31	5.60	5.01	144.91	-1185.00	-943.67	-96.41	512.55
1	7	17	22.42	-7.13	1.80	13.50	13.57	1485.30	413.52	946.26	952.56	535.88
1	7	18	17.23	-1.63	-0.26	15.85	4.90	1198.45	749.58	805.58	1142.45	-148.33
1	7	20	11.45	-5.31	9.88	-3.74	4.88	184.70	-976.61	-809.85	17.94	407.25
1	7	21	0.85	-21.31	3.07e-02	-20.49	4.19	297.29	-1031.81	-792.37	57.86	-510.79
1	7	22	14.20	-0.18	8.43	5.59	7.05	1500.39	484.96	993.92	991.42	507.71
1	7	23	8.51	-3.16	-3.16	8.51	-0.13	291.51	-1024.60	-4.80	-728.29	549.70
1	7	24	13.38	-9.99e-02	13.37	-8.31e-02	0.48	1101.05	646.68	1047.56	700.17	-146.44
1	7	25	4.59	2.19	2.43	4.35	-0.72	1619.71	333.33	953.64	999.40	-642.78
1	7	26	8.13	-14.20	-10.18	4.12	8.58	264.35	-1072.66	16.54	-824.86	-519.53
1	30	1	21.14	-8.58	6.65	5.91	14.85	175.39	-482.39	-182.27	-124.73	-327.63
1	30	2	1.18	-7.00	-6.95	1.13	0.64	62.29	-146.47	41.14	-125.32	62.99
1	30	3	12.21	-7.81	4.52	-0.11	-9.74	83.76	-288.11	-161.73	-42.62	176.14
1	30	4	6.35	-6.55	-4.74	4.54	-4.48	25.15	-94.52	21.00	-90.37	-21.89
1	30	5	23.90	-14.01	22.86	-12.97	-6.20	-175.49	-779.07	-180.57	-773.99	-55.12
1	30	6	23.73	-18.16	-6.11	11.68	-18.96	-87.99	-525.39	-493.50	-119.88	-113.72
1	30	7	1.32	-5.88	-1.35	-3.21	-3.48	397.64	251.86	323.26	326.24	-72.87
1	30	8	-4.21	-29.39	-27.11	-6.50	7.23	-38.65	-502.60	-70.81	-470.43	117.85
1	30	9	10.40	-26.01	-3.61	-12.00	17.72	-0.59	-494.41	-430.63	-64.37	165.62

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

1	30	10	-15.69	-39.90	-38.00	-17.59	6.52	108.67	-687.95	52.56	-631.84	-203.84
1	30	11	5.35	-22.66	-9.53	-7.78	13.98	1117.09	814.24	942.85	988.48	-149.70
1	30	12	-2.62	-33.30	-14.83	-21.09	15.02	46.83	-738.62	-700.06	8.27	-169.70
1	30	13	-4.99	-12.38	-12.32	-5.05	0.66	839.18	358.76	378.30	819.64	94.89
1	30	14	3.25	-12.69	-2.29	-7.15	7.59	712.99	285.60	654.97	343.62	146.39
1	30	15	23.48	-8.50	22.55	-7.58	-5.36	-156.98	-760.81	-159.32	-758.46	37.55
1	30	16	6.30	-15.84	-0.54	-9.00	10.23	159.51	-344.03	-161.80	-22.72	241.98
1	30	17	5.47	-9.08	5.21	-8.82	1.93	403.54	-38.53	294.52	70.49	190.55
1	30	18	10.13	-9.46	7.72	-7.04	-6.44	146.48	-121.27	61.97	-36.76	-124.45
1	30	20	15.06	-19.18	-8.31	4.19	-15.94	-44.50	-684.55	-675.44	-53.61	75.81
1	30	21	15.43	-8.01	-0.89	8.31	-10.78	17.07	-289.75	-212.19	-60.48	-133.34
1	30	22	6.09	-15.87	-9.10	-0.68	-10.14	672.62	276.73	382.09	567.26	174.96
1	30	23	-10.28	-26.26	-25.92	-10.62	2.30	161.18	-447.92	22.59	-309.32	255.36
1	30	24	12.52	-13.54	-2.94	1.92	-12.80	318.88	-54.21	149.92	114.76	-185.71
1	30	25	13.08	-11.04	3.87	-1.82	-11.72	255.40	-247.02	30.24	-21.86	-249.86
1	30	26	19.21	-6.41	18.18	-5.38	-5.02	-130.60	-518.82	-139.80	-509.62	-59.04
1	32	1	17.25	-6.89	7.67	2.68	11.81	160.66	-427.60	-196.88	-70.06	-287.21
1	32	2	1.71	-9.62	-6.68	-1.23	4.97	37.18	-64.83	33.76	-61.41	18.36
1	32	3	15.44	-9.97	3.34	2.14	-12.69	104.97	-342.96	-151.66	-86.32	221.57
1	32	4	6.71	-6.47	-6.40	6.65	-0.94	52.81	-171.76	25.26	-144.20	-73.68
1	32	5	21.09	-14.59	20.61	-14.11	4.13	-177.98	-840.16	-177.99	-840.15	-2.62
1	32	6	17.17	-21.13	-3.35	-0.62	-19.10	-64.54	-494.40	-459.49	-99.46	-117.43
1	32	7	1.75	-7.07	-0.11	-5.21	-3.59	472.95	320.19	420.67	372.47	-72.48
1	32	8	-7.22	-27.80	-27.64	-7.38	-1.81	-61.48	-541.47	-72.08	-530.87	70.54
1	32	9	16.54	-18.54	-4.35	2.35	17.21	-45.03	-571.88	-515.62	-101.30	162.73
1	32	10	-14.91	-36.06	-36.06	-14.91	4.05e-02	129.77	-624.84	51.30	-546.36	-230.35
1	32	11	2.48	-16.26	-8.92	-4.86	9.15	1036.07	663.64	790.37	909.33	-176.46
1	32	12	4.29	-24.84	-12.92	-7.62	14.32	-20.63	-795.89	-772.39	-44.13	-132.91
1	32	13	-4.18	-13.76	-11.21	-6.73	-4.23	880.47	451.08	454.96	876.58	40.68
1	32	14	5.27	-9.78	-1.39	-3.13	7.48	545.43	195.04	461.17	279.30	149.75
1	32	15	25.18	-4.54	24.94	-4.30	2.64	-160.53	-649.83	-168.51	-641.84	62.00
1	32	16	15.52	-6.36	3.85	5.31	10.91	62.57	-348.29	-207.53	-78.20	194.98
1	32	17	9.46	-9.66	5.81	-6.01	7.52	280.24	-193.52	127.38	-40.66	221.48
1	32	18	8.01	-8.85	7.94	-8.78	-1.08	160.20	-2.78	135.96	21.46	-58.00
1	32	20	8.93	-24.61	-7.73	-7.94	-16.77	8.77	-673.77	-651.79	-13.21	120.50
1	32	21	5.93	-13.86	-3.22	-4.72	-9.87	100.69	-324.04	-208.40	-14.95	-189.06
1	32	22	7.66	-20.77	-7.48	-5.64	-14.19	825.85	432.27	572.78	685.34	188.57
1	32	23	-12.53	-28.95	-28.05	-13.42	-3.73	143.50	-554.95	22.78	-434.22	264.09
1	32	24	10.13	-15.88	-1.22	-4.54	-12.90	499.00	81.06	379.00	201.06	-189.08
1	32	25	7.57	-9.97	4.28	-6.68	-6.84	445.36	-99.57	227.41	118.38	-266.96
1	32	26	14.27	-9.29	14.13	-9.14	1.85	-123.14	-670.45	-131.77	-661.82	-68.19
1	51	1	10.76	-6.19	1.90	2.67	8.46	122.99	-327.71	-94.19	-110.53	-225.20
1	51	2	4.39	-7.46	-1.55	-1.51	-5.92	86.91	-258.85	-78.23	-93.71	172.71
1	51	3	3.87	-5.47	-0.78	-0.81	-4.67	60.86	-196.49	-74.95	-60.68	128.47
1	51	4	2.49	-4.76	-0.69	-1.58	3.60	43.93	-199.84	-86.78	-69.13	-121.56
1	51	5	2.37	-7.25	-0.71	-4.17	-4.49	-88.32	-560.29	-99.89	-548.71	-72.99
1	51	6	7.97	-4.17	-4.06	7.86	1.16	-104.12	-504.91	-502.94	-106.09	-28.05
1	51	7	-2.08	-3.78	-3.56	-2.30	-0.58	449.66	373.12	396.86	425.93	-35.40
1	51	8	4.45	-5.85	0.93	-2.33	4.88	-65.42	-456.33	-85.25	-436.49	85.79
1	51	9	-4.40	-8.21	-4.41	-8.20	0.24	-65.85	-523.38	-518.71	-70.53	46.01
1	51	10	-3.12	-10.49	-7.41	-6.20	3.63	25.42	-586.69	-17.47	-543.81	-156.24
1	51	11	-0.41	-6.81	-3.05	-4.17	3.15	807.61	437.13	663.43	581.32	-180.63
1	51	12	-6.96	-11.47	-7.01	-11.42	0.49	52.35	-571.12	-502.52	-16.25	-195.10
1	51	13	8.06e-02	-5.55	-3.68	-1.79	2.65	491.64	242.25	281.02	452.87	90.36
1	51	14	-4.10	-5.33	-4.10	-5.33	6.69e-02	692.75	407.92	687.35	413.32	38.87
1	51	15	-0.37	-8.88	-4.64	-4.61	-4.25	0.82	-619.53	-32.43	-586.28	139.71
1	51	16	-7.45	-12.18	-7.47	-12.17	-0.28	83.70	-546.80	-444.24	-18.86	232.70
1	51	17	-1.12	-7.14	-4.24	-4.01	-3.01	736.79	325.38	552.27	509.90	204.62
1	51	18	0.27	-6.99	-4.02	-2.69	-3.57	496.34	193.76	247.96	442.15	-116.03
1	51	20	4.36	-2.15	-2.12	4.33	0.42	-10.91	-465.46	-434.17	-42.20	115.09
1	51	21	-0.44	-6.36	-6.05	-0.76	1.32	13.01	-490.90	-443.61	-34.28	-146.95
1	51	22	1.37	-3.43	-2.04	-2.26e-02	2.18	499.22	80.47	260.53	319.16	207.31
1	51	23	0.37	-6.73	-3.36	-3.00	3.55	65.47	-402.82	-27.56	-309.79	186.85
1	51	24	-0.23	-3.10	-2.87	-0.45	-0.78	273.24	159.01	242.22	190.02	-50.80
1	51	25	-0.28	-4.94	-3.89	-1.33	-1.95	565.06	45.44	267.07	343.43	-256.99
1	51	26	-3.24	-8.15	-4.95	-6.44	-2.34	38.50	-469.12	-36.05	-394.57	-179.68
1	62	1	11.96	-6.72	2.72	2.51	9.34	131.70	-349.25	-117.03	-100.52	-240.33
1	62	2	0.86	-7.01	-3.34	-2.81	-3.93	74.64	-211.69	-56.35	-80.70	142.65
1	62	3	6.69	-6.66	0.14	-0.11	-6.67	72.64	-234.46	-93.01	-68.80	153.08
1	62	4	1.90	-4.86	-2.10	-0.86	3.32	42.73	-194.80	-67.28	-84.79	-118.44
1	62	5	5.56	-3.88	5.17	-3.49	-1.89	-96.25	-566.94	-103.29	-559.90	-57.12
1	62	6	6.58	-5.20	-4.07	5.45	-3.47	-101.30	-513.95	-508.35	-106.90	-47.75
1	62	7	-0.99	-3.79	-3.08	-1.70	-1.22	462.06	374.96	416.32	420.70	-43.49
1	62	8	-1.10	-7.28	-5.26	-3.13	2.90	-65.10	-475.59	-81.58	-459.10	80.59
1	62	9	0.26	-8.15	-3.56	-4.33	4.19	-64.98	-524.07	-512.44	-76.61	72.16
1	62	10	-6.77	-14.36	-13.59	-7.54	2.29	50.51	-595.15	-1.94	-542.70	-176.39
1	62	11	0.25	-8.01	-4.00	-3.75	4.13	854.24	486.73	687.68	653.29	-182.95
1	62	12	-4.56	-12.13	-7.46	-9.23	3.68	35.21	-613.10	-555.68	-22.21	-184.19
1	62	13	-2.12	-5.58	-5.39	-2.32	0.80	576.73	304.04	328.44	552.32	77.84
1	62	14	-1.28	-5.66	-3.19	-3.75	2.17	647.81	370.49	633.47	384.83	61.41
1	62	15	3.28	-2.97	2.51	-2.20	-2.06	-18.63	-585.28	-52.40	-551.51	134.15
1	62	16	-3.05	-9.35	-4.62	-7.79	2.72	76.23	-504.15	-395.63	-32.29	226.29
1	62	17	-1.83	-2.83	-2.02	-2.63	0.39	638.83	212.31	457.43	393.71	210.87
1	62	18	0.87	-4.31	-1.61	-1.83	-2.59	424.38	184.35	239.62	369.10	-101.06
1	62	20	3.09	-5.31	-3.46	1.24	-3.48	-5.89	-520.22	-490.91	-35.21	119.25
1	62	21	-2.34	-6.91	-6.24	-3.01	-1.61	28.89	-470.02	-412.46	-28.66	-159.38
1	62	22	-0.15	-4.24	-3.34	-1.05	-1.70	584.31	165.40	341.59	408.12	206.79
1	62	23	-4.43	-9.35	-8.74	-5.04	1.62	84.79	-443.31	-15.92	-342.61	207.46
1	62	24	2.04	-5.76	-2.84	-0.88	-3.77	333.52	151.17	286.63	198.06	-79.70
1	62	25	1.36	-5.22	-2.65	-1.20	-3.21	555.48	29.43	274.33	310.58	-262.40
1	62	26	1.63e-02	-5.30	-0.13	-5.15	-0.88	15.64	-489.06	-48.26	-425.16	-167.83
1	74	1	10.96	-6.12	4.88	-3.68e-02	8.18	165.99	-439.72	-170.96	-102.77	-300.93
1	74	2	-1.19	-6.18	-1.84	-5.54	-1.68	103.54	-292.72	-123.06	-66.12	196.07
1	74	3	7.40	-9.24	-2.26	0.42	-8.21	117.21	-362.02	-112.51	-132.30	239.41
1	74	4	3.67	-10.44	-4.17	-2.59	7.01	88.94	-333.81	-107.56	-137.31	-210.85
1	74	5	0.64	-12.23	-4.29	-7.30	6.25	-129.66	-871.49	-134.36	-866.78	-58.91
1	74	6	-5.01	-8.85	-8.02	-5.85	1.58	-143.24	-831.66	-826.00	-148.90	-62.13
1	74	7	-5.79	-9.58	-9.56	-5.81	-0.28	817.72	701.55	775.24	744.03	-55.95
1	74	8	-1.64	-7.29	-3.46	-5.47	-2.64	-114.38	-769.83	-125.06	-759.15	82.95
1	74	9	1.31	-12.97	-12.82	1.16	1.46	-162.05	-996.91	-989.32	-169.65	79.26
1	74	10	-7.87	-12.54	-12.28	-8.13	-1.07	78.11	-836.45	-25.24	-733.10	-289.55

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

1	74	11	-3.36	-8.98	-8.87	-3.47	0.77	1167.43	529.04	860.96	835.51	-318.94
1	74	12	-4.61	-14.38	-14.22	-4.77	1.23	-29.76	-1011.70	-942.38	-99.08	-251.52
1	74	13	-4.71	-9.85	-9.47	-5.10	-1.36	850.41	564.31	588.19	826.54	79.13
1	74	14	-3.77	-10.75	-10.54	-3.97	1.18	861.90	559.60	839.35	582.15	79.42
1	74	15	-0.95	-7.17	-3.98	-4.15	3.11	17.41	-796.94	-62.37	-717.16	242.08
1	74	16	-3.58	-11.58	-11.18	-3.98	1.75	10.73	-865.69	-752.04	-102.93	294.43
1	74	17	-2.07	-10.09	-9.22	-2.94	2.49	957.95	239.59	616.94	580.60	358.72
1	74	18	-4.84	-10.26	-9.41	-5.68	1.96	720.57	430.84	480.61	670.80	-109.28
1	74	20	-8.83	-10.17	-8.93	-10.07	-0.35	23.12	-797.27	-734.65	-39.50	217.82
1	74	21	-13.21	-20.09	-15.19	-18.11	3.11	82.82	-776.91	-674.50	-19.59	-278.49
1	74	22	-4.62	-8.27	-6.69	-6.21	-1.81	958.84	277.76	599.32	637.28	340.01
1	74	23	-7.38	-10.70	-9.43	-8.64	-1.61	99.70	-745.78	-42.34	-603.74	316.10
1	74	24	-7.27	-9.31	-7.89	-8.70	-0.93	648.17	364.10	601.54	410.73	-105.22
1	74	25	-4.94	-11.91	-9.31	-7.54	3.37	991.46	142.19	550.26	583.39	-424.31
1	74	26	-5.90	-17.70	-11.33	-12.27	5.88	59.42	-803.70	-48.07	-696.21	-285.00
1	77	1	13.32	-9.03	2.22	2.06	11.17	170.91	-445.16	-140.68	-133.57	-308.02
1	77	2	2.01	-9.66	-3.53	-4.12	-5.83	109.51	-316.29	-101.82	-104.96	212.90
1	77	3	6.27	-8.70	-1.66	-0.76	-7.47	97.56	-307.93	-107.44	-102.94	202.73
1	77	4	3.10	-9.14	-3.20	-2.84	6.12	70.77	-280.11	-102.09	-107.25	-175.42
1	77	5	7.20e-02	-5.56	6.89e-02	-5.56	0.13	-120.79	-791.19	-130.76	-781.23	-81.11
1	77	6	3.90	-5.77	-5.61	3.74	1.26	-131.75	-727.92	-722.71	-136.97	-55.52
1	77	7	-3.91	-4.70	-4.70	-3.91	-5.88e-02	707.43	601.86	648.12	661.17	-52.38
1	77	8	0.55	-5.57	-0.88	-4.15	2.58	-100.88	-694.10	-118.73	-676.26	101.34
1	77	9	-2.89	-6.19	-5.04	-4.03	1.57	-99.66	-759.19	-749.72	-109.14	78.49
1	77	10	-7.18	-12.26	-11.11	-8.33	2.12	50.61	-821.97	-26.05	-745.31	-247.02
1	77	11	-1.64	-7.19	-4.03	-4.81	2.75	1122.78	570.90	876.41	817.27	-274.35
1	77	12	-7.19	-10.84	-8.38	-9.64	1.71	49.81	-830.24	-738.88	-41.55	-268.43
1	77	13	-2.72	-6.30	-5.51	-3.51	1.49	763.94	448.30	486.70	725.54	103.18
1	77	14	-3.62	-6.54	-4.53	-5.62	1.35	896.27	565.60	880.99	580.88	69.44
1	77	15	-3.01	-5.78	-3.47	-5.32	-1.03	0.22	-810.64	-56.62	-753.80	207.02
1	77	16	-6.75	-9.94	-7.18	-9.51	1.09	94.75	-743.26	-599.13	-49.38	316.24
1	77	17	-4.29	-4.74	-4.59	-4.45	0.22	940.76	321.41	660.51	601.66	308.27
1	77	18	-3.25	-5.71	-4.99	-3.97	-1.12	660.77	324.74	394.85	590.66	-136.54
1	77	20	-0.60	-4.92	-4.91	-0.61	-0.20	4.26	-699.23	-646.60	-48.37	185.09
1	77	21	-5.93	-10.77	-9.30	-7.41	2.23	51.21	-682.23	-596.05	-34.97	-236.19
1	77	22	-2.16	-4.06	-3.68	-2.54	0.76	801.47	185.20	458.85	527.82	306.20
1	77	23	-4.58	-8.23	-6.73	-6.08	1.80	94.92	-637.29	-39.85	-502.52	283.75
1	77	24	-2.93	-4.85	-4.22	-3.56	-0.90	497.36	282.12	443.06	336.42	-93.49
1	77	25	-3.80	-5.53	-5.52	-3.81	-0.13	827.62	63.09	415.37	475.34	-381.09
1	77	26	-6.02	-9.56	-6.74	-8.84	1.42	52.52	-688.12	-50.73	-584.87	-256.53
1	80	1	9.73	-6.14	1.86	1.73	7.93	120.85	-317.10	-101.53	-94.73	-218.95
1	80	2	1.90	-6.88	-2.33	-2.65	-4.38	80.36	-228.41	-73.45	-74.59	154.38
1	80	3	5.53	-6.03	-0.49	-9.07e-03	-5.77	69.50	-220.89	-78.13	-73.26	145.17
1	80	4	3.50	-5.24	-1.02	-0.71	4.37	49.64	-218.80	-82.83	-86.34	-134.21
1	80	5	0.30	-4.44	0.11	-4.26	-0.92	-93.33	-574.72	-99.71	-568.34	-55.05
1	80	6	3.59	-4.33	-4.33	3.59	6.34e-02	-103.13	-519.10	-516.50	-105.73	-32.78
1	80	7	-2.31	-3.68	-3.35	-2.63	-0.58	470.38	394.30	427.85	436.82	-37.77
1	80	8	0.46	-3.91	-0.71	-2.73	1.94	-71.04	-470.77	-84.50	-457.31	72.11
1	80	9	-2.23	-4.43	-3.54	-3.12	1.08	-71.10	-526.41	-520.34	-77.17	52.22
1	80	10	-5.33	-9.14	-8.56	-5.90	1.36	35.73	-574.04	-14.48	-523.83	-167.62
1	80	11	-1.16	-5.08	-2.82	-3.42	1.94	792.41	414.22	628.67	577.96	-187.39
1	80	12	-5.33	-7.78	-5.99	-7.12	1.09	34.37	-581.02	-518.66	-27.99	-185.71
1	80	13	-2.01	-4.28	-3.98	-2.31	0.78	518.06	286.13	312.94	491.25	74.16
1	80	14	-2.83	-4.39	-3.21	-4.01	0.67	632.31	383.33	624.01	391.63	44.72
1	80	15	-1.59	-4.36	-2.58	-3.37	-1.32	-1.74	-588.47	-39.97	-550.24	144.82
1	80	16	-4.97	-7.39	-5.15	-7.21	0.63	64.93	-531.58	-432.47	-34.19	222.04
1	80	17	-2.79	-3.64	-3.31	-3.11	-0.41	682.90	255.05	484.93	453.02	213.33
1	80	18	-1.58	-4.84	-3.53	-2.89	-1.60	483.83	224.14	266.49	441.47	-95.95
1	80	20	0.26	-3.22	-3.08	0.12	-0.68	0.65	-492.01	-457.80	-33.57	125.25
1	80	21	-4.68	-7.63	-7.34	-4.97	0.88	30.80	-503.96	-449.59	-23.58	-161.62
1	80	22	-1.48	-2.49	-2.49	-1.48	4.58e-02	561.51	136.77	328.18	370.09	211.34
1	80	23	-3.18	-5.97	-5.03	-4.12	1.32	66.40	-439.08	-24.90	-347.78	194.46
1	80	24	-1.18	-4.14	-3.12	-2.19	-1.41	337.68	185.20	310.40	212.47	-58.44
1	80	25	-2.17	-4.22	-3.96	-2.42	-0.67	612.08	82.45	320.82	373.71	-263.50
1	80	26	-4.60	-6.90	-4.60	-6.89	9.12e-02	31.98	-507.86	-36.70	-439.18	-179.89
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-50.08	-49.93	-41.61	-25.10		-1872.25	-1865.60	-1689.57	-642.78
			30.19		24.94	24.87	27.88	1709.84		1255.15	1246.84	549.70

Macro	Tipo	Angolo 1-X (gradi)
3	**Guscio**	**0.0**

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
3	1	19	3.68	-21.87	1.23	-19.42	-7.52	-745.71	-1200.65	-1120.63	-825.73	-173.21
3	1	35	15.59	-1.67	8.83	5.09	8.43	320.97	-136.16	105.51	79.30	228.19
3	1	36	-22.18	-36.26	-26.56	-31.88	6.52	1267.87	115.48	1206.85	176.50	258.05
3	1	38	27.03	-41.60	-8.86	-5.71	-34.28	-248.39	-1058.62	-535.08	-771.93	-387.42
3	1	43	-27.97	-51.32	-32.03	-47.25	-8.85	1490.06	214.95	1484.89	220.12	-81.04
3	1	44	-2.25	-29.77	-20.76	-11.26	-12.92	922.42	-59.14	97.65	765.63	-359.61
3	1	49	-6.85	-42.96	-21.96	-27.85	-17.81	1027.51	25.31	924.11	128.71	-304.86
3	1	50	11.41	-25.21	3.67	-17.47	14.95	-154.51	-546.15	-287.49	-413.18	185.46
3	1	55	18.32	-2.26	9.52	6.54	-10.18	281.20	-98.60	136.00	46.60	-184.57
3	1	61	12.99	-38.66	-31.93	6.26	-17.38	1021.55	134.81	181.25	975.11	-197.54
3	1	67	-53.11	-109.52	-69.31	-93.32	-25.53	1304.19	-156.25	-131.84	1279.77	187.26
3	1	91	-48.49	-100.35	-94.27	-54.56	-16.67	1349.88	-107.89	1327.58	-85.58	178.94
3	1	97	6.91	-28.03	4.08	-25.20	-9.53	1100.03	157.11	1060.69	196.46	-188.55
3	1	98	17.72	-30.84	-12.00	-1.12	23.66	-484.68	-1201.22	-845.45	-840.45	358.26
3	1	103	15.46	-5.90	5.32	4.23	-10.67	308.54	-106.16	79.23	123.15	-206.18
3	1	104	32.72	-53.32	-13.09	-7.51	-42.93	-233.30	-1060.35	-762.38	-531.27	-397.05
3	1	110	18.35	-20.13	-15.10	13.31	12.98	-198.91	-588.64	-475.29	-312.27	177.00
3	1	115	-17.24	-37.09	-36.29	-18.03	-3.90	1229.74	154.34	162.46	1221.62	-93.11
3	1	116	13.16	-25.17	-24.71	12.71	-4.16	-787.37	-1226.22	-869.56	-1144.02	-171.22
3	1	121	-3.67	-29.47	-20.78	-12.36	12.19	1070.25	33.69	133.79	970.16	306.16
3	1	122	95.39	50.77	67.73	78.44	-21.66	-868.56	-1045.11	-975.61	-938.06	-86.25
3	7	19	22.10	-17.55	21.63	-17.08	-4.30	-904.27	-1406.79	-1307.39	-1003.67	-200.17
3	7	35	4.28	-22.61	-7.30	-11.03	13.32	478.56	-236.44	133.88	108.24	357.27
3	7	36	-11.67	-40.07	-13.87	-37.86	7.60	1106.27	-82.54	952.98	70.75	398.42
3	7	38	35.49	-27.58	3.66	4.25	-31.54	-393.59	-1283.42	-707.46	-969.55	-425.18

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

3	7	43	-8.38	-49.50	-9.65	-48.23	-7.12	1054.67	73.18	1038.18	89.67	-126.12
3	7	44	0.17	-36.09	-31.47	-4.45	-12.08	895.94	-311.75	4.12	580.06	-530.76
3	7	49	-6.42	-47.69	-15.12	-38.99	-16.84	977.16	-207.06	736.28	33.81	-476.68
3	7	50	49.78	-31.20	45.45	-26.86	18.23	-224.56	-611.74	-346.11	-490.19	179.69
3	7	55	7.15	-24.62	-7.12	-10.36	-15.80	420.46	-172.38	155.01	93.07	-294.80
3	7	61	20.88	-42.89	-35.86	13.85	-19.97	840.82	-65.06	66.06	709.70	-318.72
3	7	67	-37.98	-65.36	-58.84	-44.50	-11.67	845.57	-312.29	-240.31	773.59	279.57
3	7	91	-42.25	-48.75	-45.68	-45.32	-3.24	890.34	-265.41	822.70	-197.77	271.28
3	7	97	14.83	-33.02	11.65	-29.84	-11.92	911.42	-34.11	795.95	81.36	-309.59
3	7	98	27.34	-21.57	-2.56	8.32	23.84	-659.05	-1404.69	-1034.15	-1029.60	372.81
3	7	103	4.31	-28.11	-11.44	-12.36	-16.20	450.30	-182.23	125.02	143.05	-316.14
3	7	104	41.37	-39.19	-3.03	5.20	-40.07	-378.78	-1285.37	-960.00	-704.14	-434.87
3	7	110	58.35	-27.74	-24.59	55.21	16.15	-266.37	-653.02	-549.23	-370.16	171.34
3	7	115	4.40	-37.10	-36.98	4.28	-2.24	802.93	8.45	33.18	778.20	-137.96
3	7	116	33.17	-22.45	-22.43	33.16	-1.01	-944.97	-1432.48	-1046.51	-1330.94	-197.96
3	7	121	5.75	-32.07	-26.59	0.27	13.31	937.96	-189.85	28.99	719.12	446.00
3	7	122	151.99	77.12	109.16	119.95	-37.05	-1093.18	-1276.59	-1203.04	-1166.73	-89.89
3	17	19	-1.24	-8.25	-2.14	-7.35	-2.35	-238.56	-355.64	-321.28	-272.91	-53.31
3	17	35	5.06	0.21	4.13	1.14	1.91	91.05	-32.55	35.89	22.61	61.44
3	17	36	-14.86	-27.05	-16.87	-25.04	4.52	456.07	46.29	445.01	57.35	66.41
3	17	38	14.19	-12.49	1.30	0.40	-13.33	-68.28	-365.61	-190.47	-243.42	-146.29
3	17	43	-18.63	-35.07	-18.77	-34.93	-1.48	562.54	76.68	561.39	77.83	-23.60
3	17	44	-5.88	-15.60	-15.54	-5.94	-0.75	295.01	-43.72	15.39	235.89	-128.57
3	17	49	-12.27	-27.79	-15.12	-24.94	-6.01	375.36	14.63	355.57	34.43	-82.16
3	17	50	13.17	-7.75	12.96	-7.54	2.07	-80.19	-167.01	-133.21	-113.98	42.33
3	17	55	8.37	-2.56	5.35	0.46	-4.89	89.46	-36.67	42.41	10.38	-61.00
3	17	61	19.40	-17.97	-7.20	8.63	-16.93	242.63	-6.95	29.11	206.58	-87.74
3	17	67	-13.11	-40.46	-22.45	-31.12	-12.97	400.11	-9.82	-1.95	392.25	56.23
3	17	91	-7.65	-29.93	-29.69	-7.88	-2.28	427.27	29.06	420.83	35.50	50.23
3	17	97	12.82	-5.04	7.72	6.63e-02	-8.07	297.04	13.77	269.19	41.62	-84.34
3	17	98	11.83	-20.57	-8.77	2.64e-02	15.59	-132.11	-386.73	-259.89	-258.94	127.31
3	17	103	5.46	-4.95	-0.39	0.90	-5.16	119.37	-45.18	37.04	37.15	-82.28
3	17	104	20.77	-26.10	-6.24	0.91	-23.16	-59.26	-364.75	-235.28	-188.72	-150.96
3	17	110	21.17	-4.81	-4.77	21.13	-1.03	-122.99	-194.99	-164.14	-153.84	35.63
3	17	115	-5.33	-21.69	-20.41	-6.62	4.40	360.50	34.51	38.24	356.77	-34.69
3	17	116	8.08	-10.73	-10.53	7.88	1.93	-266.06	-378.17	-304.01	-340.22	-53.05
3	17	121	4.08	-19.66	-11.00	-4.58	11.43	303.81	-8.89	30.76	264.16	104.05
3	17	122	54.39	21.87	33.90	42.36	-15.70	-385.25	-418.82	-415.70	-388.37	-9.75
3	28	19	9.71	-20.94	1.21	-12.43	-13.73	-254.19	-379.13	-346.73	-286.58	-54.75
3	28	35	0.65	-2.79	0.48	-2.62	0.75	151.10	-53.16	38.22	59.72	101.56
3	28	36	3.39	-23.24	-6.75	-13.10	-12.93	346.29	-10.05	307.41	28.83	111.10
3	28	38	-7.01e-02	-2.85	-0.50	-2.42	-1.01	-97.01	-369.00	-199.87	-266.13	-131.90
3	28	43	7.89	-26.98	-6.04	-13.05	-17.08	343.46	31.84	340.35	34.95	-30.94
3	28	44	10.39	-3.63	7.92	-1.16	-5.33	306.08	-41.09	34.24	230.75	-143.09
3	28	49	12.06	-21.14	-3.56	-5.52	-16.57	248.28	-34.98	189.80	23.50	-114.65
3	28	50	13.93	-11.88	8.34	-6.29	10.63	-95.95	-213.66	-143.15	-166.46	57.69
3	28	55	6.29	0.33	0.77	5.85	-1.56	66.40	-21.14	29.25	16.01	-43.26
3	28	61	-4.35	-29.04	-27.67	-5.72	-5.65	463.98	86.92	90.93	459.97	-38.67
3	28	67	-29.77	-88.72	-52.37	-66.12	-28.66	659.32	-60.62	-59.45	658.15	29.00
3	28	91	-15.27	-25.74	-16.51	-24.51	3.38	280.42	-106.24	269.94	-95.76	62.81
3	28	97	4.36	-15.80	1.91	-13.36	6.58	290.55	7.02	253.58	43.99	-95.48
3	28	98	5.13	-5.72	0.70	-1.29	-5.33	-161.54	-397.01	-269.26	-289.29	117.31
3	28	103	1.63	-5.16	-1.06	-2.47	-3.32	137.51	-50.90	19.45	67.17	-91.13
3	28	104	10.54	-34.74	-8.36	-15.84	-22.33	-45.81	-308.50	-210.01	-144.30	-127.17
3	28	110	-0.95	-15.59	-1.30	-15.24	2.24	-90.92	-211.94	-176.90	-125.95	54.89
3	28	115	15.23	-3.65e-02	14.29	0.90	-3.67	320.59	45.16	49.70	316.05	-35.06
3	28	116	2.98	-0.11	-7.41e-02	2.95	-0.34	-262.31	-396.94	-283.00	-376.25	-48.55
3	28	121	13.76	-2.74e-02	13.72	1.11e-02	0.73	330.28	-5.35	48.32	276.60	123.02
3	28	122	18.17	1.23	15.70	3.71	-5.99	-310.32	-359.89	-328.51	-341.69	-23.89
3	44	19	7.66	-7.09	6.86	-6.29	-3.33	-275.43	-407.17	-376.27	-306.32	-55.82
3	44	35	2.49	-5.58	-1.55	-1.55	4.03	145.48	-64.83	36.82	43.83	105.10
3	44	36	-3.20	-10.30	-3.21	-10.30	0.17	317.27	-30.51	267.75	19.01	121.53
3	44	38	10.85	-11.32	-0.26	-0.21	-11.09	-85.83	-370.37	-195.55	-260.65	-138.49
3	44	43	-0.63	-15.34	-2.40	-13.57	-4.79	306.56	20.20	301.62	25.14	-37.29
3	44	44	1.56	-10.17	-6.55	-2.07	-5.42	282.87	-63.81	14.08	204.99	-144.69
3	44	49	1.50	-14.93	-3.10	-10.33	-7.37	275.95	-65.44	201.65	8.85	-140.87
3	44	50	14.49	-7.02	12.57	-5.10	6.14	-91.98	-192.78	-142.48	-142.29	50.40
3	44	55	4.62	-6.60	-1.39	-0.59	-5.60	117.74	-49.98	40.00	27.76	-83.64
3	44	61	6.52	-14.79	-12.48	4.21	-6.63	302.57	11.67	38.37	275.86	-84.00
3	44	67	-19.41	-33.67	-24.12	-28.97	-6.71	390.35	-41.99	-34.26	382.62	57.28
3	44	91	-19.59	-27.57	-26.86	-20.31	-2.28	387.26	-38.16	379.48	-30.38	57.01
3	44	97	5.91	-10.30	5.07	-9.47	-3.59	305.13	12.90	276.35	41.67	-87.07
3	44	98	5.76	-4.24	0.63	0.89	5.00	-180.64	-415.89	-297.13	-299.40	117.62
3	44	103	4.47	-6.39	-0.45	-1.47	-5.41	126.22	-50.91	30.50	44.81	-88.28
3	44	104	12.90	-15.97	-1.16	-1.91	-14.43	-90.85	-368.96	-262.07	-197.74	-135.28
3	44	110	14.66	-5.00	-3.93	13.58	4.47	-94.97	-194.93	-145.40	-144.50	49.98
3	44	115	-0.28	-8.80	-7.99	-1.08	-2.50	308.55	24.57	30.08	303.04	-39.17
3	44	116	8.02	-5.50	-5.30	7.83	-1.62	-271.77	-407.47	-303.59	-375.65	-57.50
3	44	121	-0.54	-6.72	-5.30	-1.96	2.60	321.99	-24.17	25.40	272.42	121.25
3	44	122	41.28	18.36	29.80	29.84	-11.46	-353.62	-374.59	-363.46	-364.75	-10.46
3	69	19	7.81	-5.80	7.67	-5.66	-1.37	-272.76	-407.33	-375.12	-304.97	-57.42
3	69	35	2.69	-5.73	-1.54	-1.50	4.21	142.22	-64.64	40.30	37.27	103.42
3	69	36	-1.06	-9.00	-2.45	-7.61	3.02	317.31	-27.26	268.08	21.97	120.58
3	69	38	12.80	-15.06	-1.43	-0.83	-13.93	-88.54	-367.52	-195.92	-260.15	-135.74
3	69	43	-1.23	-11.24	-1.65	-10.82	-2.00	305.48	21.85	299.98	27.35	-39.11
3	69	44	0.66	-13.87	-10.09	-3.11	-6.37	277.92	-63.28	10.59	204.05	-140.52
3	69	49	0.32	-11.61	-2.56	-8.73	-5.11	279.16	-66.56	201.80	10.80	-144.08
3	69	50	15.02	-5.40	13.82	-4.20	4.80	-94.06	-194.24	-144.31	-143.98	50.09
3	69	55	4.56	-6.65	-1.47	-0.62	-5.59	124.74	-50.69	41.69	32.36	-87.59
3	69	61	6.83	-9.96	-8.40	5.27	-4.88	302.76	12.32	40.77	274.31	-86.33
3	69	67	-17.80	-27.53	-18.48	-26.85	-2.48	387.29	-29.64	-21.73	379.38	56.88
3	69	91	-19.45	-32.25	-28.65	-23.05	-5.75	394.57	-38.35	387.02	-30.79	56.69
3	69	97	6.78	-13.36	4.71	-11.29	-6.12	304.52	13.60	277.88	40.23	-83.90
3	69	98	6.75	-5.70	0.61	0.44	6.23	-181.38	-415.31	-298.66	-298.03	116.97
3	69	103	4.69	-6.31	-0.40	-1.22	-5.48	119.76	-49.23	29.85	40.68	-84.32
3	69	104	11.68	-11.90	-9.36e-02	-0.12	-11.79	-86.94	-369.50	-260.28	-196.17	-137.59
3	69	110	15.19	-6.51	-5.00	13.68	5.52	-88.55	-189.61	-136.24	-141.92	50.45
3	69	115	-1.56	-14.62	-13.64	-2.53	-3.43	311.09	21.73	26.71	306.10	-37.64
3	69	116	7.64	-6.82	-6.36	7.18	-2.53	-273.61	-406.33	-304.65	-375.28	-56.18
3	69	121	-2.94	-10.69	-10.32	-3.31	1.65	319.29	-27.61	20.12	271.56	119.50
3	69	122	42.67	19.47	31.00	31.14	-11.60	-354.17	-371.90	-362.26	-363.81	-8.83

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

3	74	19	9.13	-13.55	8.11	-12.53	-4.70	-566.73	-892.35	-830.55	-628.53	-127.69
3	74	35	6.46	-8.31	0.30	-2.15	7.28	278.67	-128.00	83.90	66.77	203.15
3	74	36	-12.00	-24.38	-13.43	-22.95	3.96	804.37	11.72	732.62	83.47	227.43
3	74	38	21.63	-24.78	-2.22	-0.94	-23.20	-217.29	-801.67	-424.60	-594.37	-279.59
3	74	43	-11.64	-33.51	-13.69	-31.46	-6.37	859.81	97.15	853.04	103.92	-71.52
3	74	44	-0.11	-22.33	-17.22	-5.21	-9.35	617.38	-125.87	34.26	457.25	-305.57
3	74	49	-3.75	-30.68	-12.31	-22.13	-12.54	677.83	-62.52	561.21	54.10	-269.70
3	74	50	19.60	-17.88	15.87	-14.15	11.22	-135.64	-401.86	-221.68	-315.82	124.51
3	74	55	8.86	-9.37	0.58	-1.09	-9.08	240.27	-94.31	99.34	46.62	-165.20
3	74	61	11.97	-28.44	-23.93	7.46	-12.72	636.05	28.97	85.31	579.72	-176.14
3	74	67	-34.18	-62.36	-46.10	-50.44	-13.93	752.32	-156.56	-127.35	723.12	160.28
3	74	91	-33.21	-55.12	-51.29	-37.05	-8.32	783.76	-125.81	756.66	-98.71	154.66
3	74	97	7.97	-21.81	6.00	-19.84	-7.39	686.53	46.88	637.64	95.77	-169.95
3	74	98	14.49	-16.56	-4.64	2.57	15.10	-391.35	-893.31	-643.90	-640.76	250.98
3	74	103	7.02	-11.70	-1.79	-2.88	-9.34	259.32	-100.07	68.00	91.25	-179.32
3	74	104	25.45	-32.41	-5.77	-1.19	-28.84	-207.62	-803.18	-588.30	-422.50	-286.01
3	74	110	24.97	-15.21	-12.63	22.38	9.85	-163.82	-429.12	-355.21	-237.72	118.93
3	74	115	-3.97	-24.61	-24.13	-4.46	-3.14	690.50	56.17	66.26	680.41	-79.40
3	74	116	15.93	-16.29	-16.09	15.73	-2.53	-593.86	-909.25	-657.08	-846.02	-126.26
3	74	121	-0.20	-19.44	-15.58	-4.06	7.71	684.07	-51.12	55.61	577.34	258.99
3	74	122	83.82	42.82	59.75	66.90	-20.18	-677.81	-801.01	-751.53	-727.29	-60.40
3	77	19	12.59	-10.74	12.10	-10.25	-3.34	-509.94	-784.00	-730.34	-563.60	-108.75
3	77	35	4.69	-9.67	-2.54	-2.45	7.18	262.12	-122.69	69.63	69.79	192.41
3	77	36	-3.61	-13.95	-4.49	-13.07	2.89	615.88	-39.58	527.06	49.24	224.34
3	77	38	18.48	-23.14	-3.13	-1.53	-20.80	-181.61	-691.24	-365.77	-507.09	-244.82
3	77	43	-1.63	-20.07	-3.58	-18.12	-5.67	602.71	51.15	593.84	60.03	-69.42
3	77	44	2.34	-20.45	-13.44	-4.67	-10.51	538.60	-104.34	31.66	402.60	-262.58
3	77	49	2.28	-20.53	-4.66	-13.59	-10.50	537.70	-106.50	400.72	30.48	-263.58
3	77	50	25.50	-12.05	21.98	-8.54	10.94	-138.66	-340.92	-244.58	-235.00	101.02
3	77	55	6.44	-10.72	-2.87	-1.40	-8.54	223.31	-89.98	80.31	53.02	-156.05
3	77	61	7.76	-22.71	-21.04	6.10	-6.92	575.56	28.16	74.65	529.07	-152.61
3	77	67	-35.24	-50.17	-39.39	-46.02	-6.69	677.78	-81.69	-67.54	663.63	102.70
3	77	91	-35.84	-51.40	-46.58	-40.66	-7.20	683.32	-84.39	669.46	-70.52	102.24
3	77	97	7.63	-23.08	6.06	-21.52	-6.76	578.78	30.33	532.93	76.18	-151.81
3	77	98	10.02	-8.19	0.93	0.90	9.11	-352.05	-781.50	-566.79	-566.76	214.72
3	77	103	6.50	-10.40	-1.19	-2.71	-8.42	222.99	-89.18	52.98	80.83	-155.46
3	77	104	18.42	-22.69	-1.37	-2.90	-20.54	-182.70	-692.48	-508.34	-366.84	-244.87
3	77	110	25.73	-12.08	-8.63	22.28	10.89	-136.78	-339.13	-231.92	-243.98	100.99
3	77	115	-1.73	-20.43	-18.44	-3.72	-5.76	606.73	52.03	60.79	597.97	-69.17
3	77	116	12.56	-10.90	-10.36	12.03	-3.52	-509.33	-783.30	-562.86	-729.78	-108.63
3	77	121	-3.84	-14.22	-13.45	-4.62	2.74	618.43	-38.09	49.76	530.58	223.51
3	77	122	68.32	32.34	50.31	50.35	-17.99	-595.44	-637.88	-616.18	-617.14	-21.22
3	80	19	7.40	-5.78	6.95	-5.33	-2.39	-273.19	-406.78	-376.77	-303.20	-55.75
3	80	35	2.59	-5.49	-1.48	-1.42	4.04	147.36	-65.44	40.80	41.11	106.40
3	80	36	-1.96	-6.45	-2.13	-6.29	0.84	318.46	-27.98	267.74	22.74	122.47
3	80	38	10.51	-13.20	-1.65	-1.05	-11.85	-89.39	-367.42	-195.65	-261.16	-135.10
3	80	43	0.41	-10.38	-1.32	-8.66	-3.96	304.99	23.18	299.83	28.34	-37.78
3	80	44	2.28	-11.43	-6.77	-2.38	-6.49	280.99	-61.23	14.21	205.55	-141.86
3	80	49	2.14	-11.53	-2.37	-7.03	-6.43	279.91	-63.41	203.57	12.93	-142.76
3	80	50	13.82	-6.07	11.86	-4.10	5.93	-94.80	-197.04	-143.55	-148.29	51.07
3	80	55	4.03	-6.34	-1.61	-0.70	-5.16	122.50	-49.97	44.66	27.87	-85.82
3	80	61	5.00	-12.53	-11.56	4.04	-4.00	302.63	12.52	40.44	274.72	-85.55
3	80	67	-20.63	-29.60	-22.97	-27.27	-3.94	379.54	-48.41	-40.47	371.61	57.74
3	80	91	-21.24	-30.77	-27.75	-24.27	-4.43	383.97	-51.51	376.27	-43.81	57.40
3	80	97	4.86	-12.99	4.01	-12.14	-3.81	305.13	14.19	277.76	41.56	-84.93
3	80	98	4.84	-2.98	0.94	0.92	3.91	-179.54	-414.90	-297.14	-297.30	117.68
3	80	103	4.08	-6.06	-0.51	-1.48	-5.05	122.23	-49.32	27.60	45.31	-85.32
3	80	104	10.47	-12.80	-0.90	-1.42	-11.63	-90.25	-368.37	-262.04	-196.59	-135.15
3	80	110	14.00	-6.09	-4.20	12.11	5.86	-92.89	-195.09	-145.10	-142.89	51.09
3	80	115	0.36	-10.56	-8.76	-1.44	-4.05	308.76	24.23	29.27	303.72	-37.54
3	80	116	7.42	-5.93	-5.43	6.92	-2.54	-272.58	-406.21	-302.35	-376.45	-55.60
3	80	121	-2.10	-6.60	-6.47	-2.23	0.75	320.91	-26.37	23.45	271.10	121.73
3	80	122	37.62	16.76	27.16	27.22	-10.43	-346.01	-370.15	-357.54	-358.62	-12.06

M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
				-109.52	-94.27	-93.32	-42.93		-1432.48	-1307.39	-1330.94	-530.76
			151.99		109.16	119.95	23.84	1490.06		1484.89	1279.77	446.00

Macro	Tipo	Angolo 1-X (gradi)
4	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
4	1	56	-20.22	-32.23	-26.72	-25.72	5.98	-14.66	-16.57	-15.64	-15.59	0.95
4	1	68	33.20	-70.44	-22.69	-14.55	51.66	3.92	1.98	2.27	3.64	-0.69
4	1	73	5.31	-64.74	-10.53	-48.90	29.30	12.44	3.13	12.42	3.16	0.44
4	1	74	8.04	-31.10	-27.71	4.65	11.01	14.61	4.57	4.64	14.54	0.83
4	1	80	-16.23	-64.25	-40.18	-40.29	-24.01	2.11	-0.81	0.68	0.62	1.46
4	1	85	-37.42	-66.89	-51.99	-52.32	-14.74	1.39	-1.88	-0.23	-0.26	1.64
4	1	86	8.45	-30.68	4.54	-26.77	11.73	14.80	4.67	14.73	4.73	0.82
4	1	92	33.39	-70.77	-14.28	-23.10	51.89	3.96	1.91	3.67	2.19	-0.71
4	1	109	7.83	-63.93	-47.53	-8.57	30.13	12.20	3.08	3.10	12.18	0.44
4	9	56	0.14	-7.08	-3.46	-3.47	3.61	-15.99	-17.17	-16.57	-16.58	0.59
4	9	68	21.35	-4.84	8.01	8.50	13.09	2.25	-0.22	0.60	1.44	-1.16
4	9	73	3.45	-32.24	-9.36	-19.44	17.12	11.80	2.81	11.80	2.82	0.26
4	9	74	8.18	-6.20	3.07	-1.08	6.88	13.39	4.09	4.14	13.34	0.67
4	9	80	0.21	-12.96	-6.35	-6.40	6.58	1.47	-2.04	-0.28	-0.28	1.75
4	9	85	-4.02	-17.67	-10.85	-10.84	6.82	1.11	-2.34	-0.61	-0.61	1.73
4	9	86	8.02	-6.21	-1.07	2.88	6.83	13.39	4.09	13.34	4.14	0.67
4	9	92	21.36	-4.78	8.59	8.00	13.07	2.25	-0.21	1.44	0.61	-1.16
4	9	109	3.38	-32.17	-19.28	-9.51	17.09	11.83	2.83	2.83	11.83	0.25
4	17	56	0.31	-2.33	-1.33	-0.69	-1.28	-12.34	-13.05	-12.72	-12.67	0.36
4	17	68	12.57	1.47	5.77	8.27	5.41	1.64	-0.29	0.31	1.05	-0.89
4	17	73	-0.98	-16.13	-6.33	-10.78	7.24	9.22	2.32	9.22	2.33	0.17
4	17	74	2.92	-0.50	2.86	-0.43	-0.47	10.43	3.22	3.24	10.40	0.42
4	17	80	0.45	-4.48	-1.95	-2.08	2.46	1.19	-1.32	-3.37e-02	-9.25e-02	1.25
4	17	85	-3.99	-12.13	-8.01	-8.11	4.07	0.88	-1.74	-0.42	-0.44	1.31
4	17	86	4.34	-3.80e-02	4.59e-02	4.25	0.60	10.57	3.30	10.54	3.33	0.42
4	17	92	13.05	1.30	8.68	5.67	5.67	1.68	-0.34	1.09	0.25	-0.92
4	17	109	1.83	-15.60	-9.36	-4.40	8.36	9.03	2.29	2.29	9.02	0.17

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

4	28	56	3.98	-5.08	1.73	-2.83	3.92	-12.26	-12.91	-12.52	-12.65	0.32
4	28	68	14.45	3.76e-02	4.40	10.09	6.62	1.79	-2.01e-02	0.55	1.22	-0.84
4	28	73	4.06	-12.64	-6.01	-2.58	8.17	9.61	2.75	9.61	2.75	4.37e-02
4	28	74	-0.36	-11.53	-3.89	-7.99	5.20	10.97	3.44	3.44	10.97	0.17
4	28	80	3.68	-4.62	-1.65	0.71	3.98	1.06	-1.18	-0.24	0.11	1.11
4	28	85	3.37	-11.15	-4.03	-3.75	7.26	0.84	-1.55	-0.29	-0.42	1.19
4	28	86	12.83	-7.88	1.43	3.52	10.30	9.72	2.92	9.71	2.93	0.32
4	28	92	12.43	-1.97	5.08	5.38	7.20	1.67	-0.34	0.86	0.46	-0.98
4	28	109	8.06	-17.30	-7.47	-1.77	12.35	9.58	2.54	2.54	9.58	0.16
4	49	56	0.52	-2.63	-1.02	-1.09	1.58	-12.33	-13.04	-12.68	-12.68	0.36
4	49	68	13.35	-0.68	5.12	7.56	6.91	1.69	-0.28	0.35	1.07	-0.92
4	49	73	2.93	-18.23	-5.58	-9.72	10.37	9.21	2.36	9.21	2.36	0.14
4	49	74	4.56	-2.44	2.63	-0.51	3.12	10.43	3.23	3.25	10.41	0.38
4	49	80	1.90	-5.50	-1.78	-1.83	3.70	1.13	-1.32	-9.19e-02	-0.10	1.23
4	49	85	-1.47	-12.17	-6.87	-6.77	5.35	0.85	-1.71	-0.44	-0.42	1.28
4	49	86	5.19	-2.36	-0.16	2.99	3.43	10.43	3.24	10.41	3.26	0.38
4	49	92	13.57	-0.56	7.75	5.25	6.95	1.70	-0.28	1.07	0.35	-0.92
4	49	109	3.49	-18.24	-9.37	-5.38	10.68	9.22	2.37	2.37	9.22	0.14
4	74	56	-14.59	-22.88	-19.06	-18.40	4.13	-11.42	-12.87	-12.16	-12.13	0.72
4	74	68	24.86	-48.48	-13.99	-9.63	36.61	2.81	1.33	1.59	2.54	-0.57
4	74	73	2.54	-48.37	-8.64	-37.19	21.07	9.43	2.28	9.42	2.29	0.34
4	74	74	4.99	-21.47	-18.68	2.20	8.13	11.06	3.42	3.48	11.00	0.69
4	74	80	-13.75	-43.99	-28.82	-28.91	-15.12	1.59	-0.82	0.41	0.36	1.21
4	74	85	-26.43	-46.69	-36.46	-36.67	-10.13	1.08	-1.50	-0.20	-0.22	1.29
4	74	86	5.28	-21.27	2.13	-18.13	8.59	11.19	3.48	11.12	3.55	0.69
4	74	92	24.99	-48.68	-9.43	-14.26	36.75	2.83	1.28	2.57	1.55	-0.58
4	74	109	4.16	-47.79	-36.24	-7.39	21.61	9.28	2.25	2.26	9.26	0.34
4	77	56	2.66	-6.42	-1.88	-1.88	4.54	-12.01	-13.28	-12.64	-12.64	0.63
4	77	68	23.89	-3.17	8.53	12.19	13.40	2.13	0.27	0.65	1.75	-0.75
4	77	73	8.11	-32.55	-8.92	-15.52	20.06	8.93	2.05	8.92	2.06	0.25
4	77	74	10.53	-6.18	4.27	7.76e-02	8.09	10.80	3.39	3.44	10.74	0.63
4	77	80	2.92	-11.31	-4.17	-4.21	7.12	0.99	-1.59	-0.30	-0.30	1.29
4	77	85	-1.09	-21.57	-11.33	-11.32	10.24	0.55	-2.17	-0.81	-0.80	1.36
4	77	86	10.44	-6.20	8.42e-02	4.16	8.06	10.80	3.39	10.75	3.44	0.63
4	77	92	23.92	-3.12	12.27	8.52	13.39	2.13	0.28	1.75	0.66	-0.75
4	77	109	8.11	-32.50	-15.37	-9.02	20.06	8.95	2.06	2.07	8.94	0.25
4	80	56	1.37	-3.53	-1.08	-1.08	2.45	-12.32	-13.02	-12.67	-12.68	0.35
4	80	68	13.45	-1.25	5.05	7.16	7.27	1.70	-0.27	0.38	1.05	-0.92
4	80	73	3.89	-18.60	-5.46	-9.25	11.09	9.27	2.40	9.27	2.40	0.13
4	80	74	5.52	-3.74	2.39	-0.60	4.38	10.39	3.21	3.23	10.37	0.36
4	80	80	2.27	-5.77	-1.74	-1.77	4.02	1.11	-1.32	-0.11	-0.11	1.22
4	80	85	-0.36	-11.74	-6.05	-6.04	5.69	0.86	-1.67	-0.41	-0.40	1.26
4	80	86	5.42	-3.74	-0.59	2.27	4.35	10.39	3.21	10.37	3.23	0.35
4	80	92	13.47	-1.20	7.23	5.04	7.26	1.70	-0.26	1.05	0.38	-0.92
4	80	109	3.88	-18.56	-9.13	-5.56	11.08	9.29	2.41	2.41	9.29	0.13

M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
				-70.77	-51.99	-52.32	-24.01		-17.17	-16.57	-16.58	-1.16
			33.39		12.27	12.19	51.89	14.80		14.73	14.54	1.75

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	1	5.62	16.08	4.15	13.66	6.56	-4.80	135.52	-486.45	-223.88	-127.04	-307.19
		10	13.76	-24.85	-46.72	-30.06	-41.51	9.31	-9.85	-1357.69	-124.97	-1242.56	-376.71
		11	17.73	-16.00	-32.98	-30.64	-18.34	5.84	1934.00	481.13	1215.81	1199.32	-726.38
		12	16.29	-13.00	-57.25	-52.71	-17.54	13.42	-174.84	-1624.40	-1554.74	-244.49	-310.03
1	26	1	6.72	21.14	-8.58	6.53	6.03	14.86	175.42	-482.19	-181.74	-125.03	-327.58
		10	7.26	-18.86	-37.68	-35.49	-21.05	6.04	117.59	-660.46	64.67	-607.55	-195.89
		11	12.26	33.11	-29.32	-0.25	4.04	31.14	1339.92	694.37	1001.48	1032.81	-322.39
		12	7.21	-5.01	-31.85	-18.54	-18.32	13.42	46.60	-712.65	-671.42	5.38	-172.04
1	58	1	4.78	11.96	-6.72	2.65	2.59	9.34	131.74	-349.14	-116.70	-100.70	-240.31
		10	6.00	-9.94	-12.76	-12.71	-9.98	-0.35	57.63	-577.91	3.38	-523.65	-177.58
		11	9.05	10.26	-11.05	-0.50	-0.30	10.66	1023.35	402.25	725.82	699.78	-310.28
		12	6.12	-7.84	-10.86	-10.06	-8.64	1.33	40.85	-598.33	-537.11	-20.36	-188.09
1	74	1	5.79	10.96	-6.12	4.88	-0.04	8.18	165.99	-439.72	-170.96	-102.77	-300.93
		10	8.63	-7.46	-15.41	-12.51	-10.36	-3.83	93.92	-815.93	-15.76	-706.25	-296.25
		11	12.25	-0.09	-10.14	-8.86	-1.37	3.35	1399.83	423.26	925.64	897.45	-488.08
		12	9.99	-3.47	-17.89	-17.81	-3.56	-1.11	-25.95	-988.99	-912.24	-102.70	-260.81
1	77	1	6.06	13.32	-9.03	2.22	2.06	11.17	170.91	-445.16	-140.68	-133.57	-308.02
		10	8.30	-9.12	-12.89	-10.64	-11.37	-1.85	60.85	-802.20	-20.66	-720.68	-252.40
		11	11.77	6.68	-10.08	-1.07	-2.34	8.35	1343.84	466.43	927.04	883.23	-438.16
		12	8.43	-8.42	-12.51	-11.55	-9.38	-1.73	60.10	-813.71	-716.59	-37.02	-274.65
1	80	1	4.31	9.73	-6.14	1.86	1.73	7.93	120.85	-317.10	-101.53	-94.73	-218.95
		10	5.79	-6.49	-9.61	-8.05	-8.06	-1.56	42.74	-559.08	-10.59	-505.76	-171.02
		11	8.31	5.65	-7.43	-0.36	-1.42	6.52	948.16	338.91	662.30	624.77	-304.05
		12	5.90	-5.98	-9.07	-8.27	-6.77	-1.35	41.04	-569.02	-502.52	-25.46	-190.13
2	1	10	14.76	-24.74	-40.21	-31.80	-33.15	-7.71	-46.88	-1458.60	-137.57	-1367.92	-346.13
		8	15.06	-26.11	-38.88	-27.29	-37.70	3.69	-275.74	-1566.80	-285.64	-1556.90	112.62
		13	12.04	-24.30	-40.72	-32.94	-32.08	-8.20	1283.68	788.01	800.12	1271.57	76.54
		11	13.73	-19.04	-29.21	-24.17	-24.08	5.08	1528.53	671.53	970.36	1229.70	-408.40
2	26	10	8.04	-12.24	-42.33	-40.51	-14.06	7.16	99.53	-715.74	40.27	-656.48	-211.66
		8	5.12	-2.12	-27.06	-23.05	-6.13	9.16	-44.04	-513.06	-98.23	-458.86	149.94
		13	7.29	2.13	-15.47	-11.65	-1.69	7.26	839.93	270.15	286.67	823.42	95.59
		11	9.75	1.91	-14.41	-8.68	-3.82	7.79	1085.42	835.83	857.91	1063.34	-70.87
2	58	10	6.36	-2.86	-16.65	-14.46	-5.05	5.04	43.31	-612.62	-7.36	-561.95	-175.12
		8	4.45	-0.42	-6.30	-3.36	-3.36	2.94	-70.31	-477.45	-96.43	-451.34	99.75
		13	4.87	0.16	-7.17	-6.02	-0.99	2.67	579.79	245.97	264.24	561.52	75.92
		11	7.04	-1.89	-5.82	-3.62	-4.09	1.95	806.45	549.31	635.37	720.39	-121.34
2	74	10	8.61	-5.47	-12.48	-12.05	-5.90	1.68	62.55	-857.22	-34.72	-759.95	-282.85
		8	6.98	0.10	-7.00	-1.69	-5.21	-3.09	-124.58	-768.32	-142.37	-750.54	105.51
		13	7.48	-4.60	-13.32	-13.06	-4.86	-1.47	868.22	497.08	507.34	857.96	60.87
		11	9.24	0.31	-8.25	-4.84	-3.10	-4.19	1109.19	591.23	779.49	920.92	-249.14
2	77	10	8.51	-1.57	-15.30	-11.59	-5.28	6.10	40.60	-841.96	-31.44	-769.93	-241.63
		8	6.43	1.84	-5.15	1.19	-4.49	2.04	-108.14	-693.51	-135.27	-666.38	123.07
		13	6.45	-1.24	-8.06	-6.87	-2.42	2.58	769.71	378.84	404.20	744.35	96.28
		11	9.11	-3.33	-6.33	-3.45	-6.20	0.60	1061.16	655.46	808.57	908.05	-196.66
2	80	10	5.97	-1.36	-11.46	-9.08	-3.74	4.29	28.88	-589.15	-18.37	-541.90	-164.21
		8	4.37	1.34	-3.57	0.75	-2.98	1.59	-75.89	-471.47	-96.65	-450.71	88.21
		13	4.36	-0.67	-5.55	-4.79	-1.43	1.77	521.00	235.30	254.76	501.53	71.99
		11	6.43	-2.44	-4.37	-2.51	-4.30	0.37	746.65	479.92	583.47	643.09	-129.99
3	1	12	17.24	-22.50	-41.51	-40.46	-23.54	-4.34	-172.21	-1741.83	-1692.61	-221.43	-273.55

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		11	14.43	-13.05	-48.93	-39.91	-22.08	15.57	1527.94	690.49	1242.41	976.02	-396.97
		14	11.62	-18.85	-43.00	-41.01	-20.83	-6.64	1215.27	700.36	1191.24	724.39	108.62
		9	18.31	-13.73	-53.41	-48.89	-18.24	12.60	-346.50	-1868.39	-1859.72	-355.17	114.54
3	38	12	8.19	0.89	-35.74	-10.65	-24.20	17.02	47.57	-765.15	-729.12	11.53	-167.29
		11	10.13	3.00	-27.45	-11.44	-13.01	15.20	1059.22	900.99	1038.94	921.27	-52.89
		14	6.71	15.75	-15.57	1.03	-0.85	15.63	708.62	181.02	652.57	237.07	162.58
		9	5.84	13.41	-25.33	-3.83	-8.09	19.25	-0.10	-504.50	-417.31	-87.28	190.73
3	70	12	6.42	-0.46	-14.14	-4.58	-10.03	6.28	29.93	-628.26	-574.51	-23.82	-180.26
		11	7.13	-1.79	-7.86	-5.33	-4.33	2.99	817.96	519.17	745.93	591.21	-127.81
		14	5.44	2.43	-7.25	-1.67	-3.15	4.78	652.09	308.05	643.28	316.86	54.34
		9	4.93	1.06	-7.38	-3.86	-2.46	4.16	-73.18	-523.68	-504.75	-92.10	90.38
3	74	12	9.98	-4.05	-12.57	-10.63	-5.98	3.57	-33.00	-1034.97	-972.52	-95.45	-242.23
		11	9.72	-3.21	-14.04	-13.20	-4.05	2.89	1114.32	583.95	945.71	752.56	-246.98
		14	7.68	-5.15	-11.01	-10.97	-5.18	-0.46	877.25	481.06	866.68	491.63	63.85
		9	9.38	3.53	-13.18	-12.86	3.21	2.30	-175.26	-992.98	-981.26	-186.99	97.21
3	77	12	8.50	-1.90	-13.23	-5.22	-9.90	5.16	39.75	-847.02	-761.17	-46.09	-262.21
		11	9.18	-4.19	-5.78	-5.53	-4.44	0.57	1077.10	603.30	949.20	731.20	-210.33
		14	7.68	-1.47	-8.24	-3.35	-6.37	3.03	909.48	490.70	903.26	496.92	50.66
		9	6.98	-1.97	-5.47	-5.27	-2.17	0.82	-111.51	-757.05	-740.73	-127.83	101.35
3	80	12	5.96	-1.59	-9.59	-3.71	-7.47	3.53	27.88	-593.21	-534.80	-30.53	-181.28
		11	6.49	-3.12	-3.91	-3.77	-3.26	0.30	760.91	434.70	678.48	517.13	-141.76
		14	5.39	-0.82	-5.67	-2.21	-4.28	2.19	640.49	328.88	637.00	332.36	32.76
		9	4.83	-1.67	-3.85	-3.68	-1.84	0.59	-80.48	-525.44	-514.56	-91.37	68.75
4	1	11	13.24	-23.55	-35.10	-31.98	-26.67	5.13	1441.83	556.89	993.80	1004.93	-442.43
		13	11.02	-31.51	-32.42	-32.05	-31.88	-0.45	1133.45	837.28	878.02	1092.72	102.01
		7	12.75	-27.94	-36.05	-35.39	-28.60	-2.22	1260.63	1118.98	1212.41	1167.19	-67.12
		14	10.40	-19.57	-37.31	-37.12	-19.76	-1.85	1074.58	750.03	1020.42	804.19	121.01
4	19	11	7.66	-9.58	-15.78	-14.85	-10.51	2.22	854.67	457.21	804.68	507.20	-131.80
		13	3.62	5.56	-9.18	-3.95	0.33	7.06	341.14	11.18	89.68	262.64	140.50
		7	3.15	1.45	-8.00	-7.79	1.24	1.38	364.67	246.03	248.17	362.53	-15.78
		14	8.30	-8.91	-23.57	-18.57	-13.91	6.95	921.32	454.40	920.42	455.30	20.48
4	51	11	6.48	-4.62	-6.46	-5.51	-5.56	0.92	751.40	400.14	628.57	522.97	-167.51
		13	3.82	5.52e-03	-4.10	-2.05	-2.04	2.05	456.22	230.20	256.41	430.00	72.38
		7	4.21	-2.04	-2.71	-2.71	-2.04	0.02	456.24	394.28	405.31	445.21	-23.70
		14	5.65	-4.02	-6.34	-5.59	-4.77	1.08	654.27	378.44	649.69	383.02	35.24
4	74	11	9.21	-5.05	-8.87	-8.57	-5.35	1.03	1073.83	490.29	793.02	771.10	-291.57
		13	6.97	-5.87	-9.73	-9.72	-5.88	0.16	789.54	539.73	558.30	770.96	65.54
		7	7.78	-5.94	-10.75	-10.58	-6.11	-0.88	817.43	725.86	783.14	760.15	-44.32
		14	7.05	-1.90	-9.55	-9.45	-2.00	-0.89	798.42	523.35	780.49	541.29	67.91
4	77	11	8.90	-4.69	-7.62	-6.06	-6.26	1.46	1038.67	528.75	820.81	746.61	-252.25
		13	6.08	-2.90	-5.27	-4.04	-4.13	1.19	710.78	425.14	453.34	682.59	85.19
		7	6.62	-3.40	-4.69	-4.39	-3.71	0.55	711.28	626.12	656.55	680.85	-40.81
		14	7.24	-3.64	-5.90	-5.19	-4.35	1.05	840.66	527.29	828.29	539.66	61.03
4	80	11	6.30	-4.10	-5.24	-4.62	-4.73	0.56	735.27	382.01	590.42	526.86	-173.75
		13	4.11	-2.16	-3.41	-2.78	-2.79	0.62	481.86	271.38	289.71	463.52	59.35
		7	4.41	-2.42	-3.04	-3.04	-2.43	-0.06	473.43	417.48	436.12	454.79	-26.37
		14	5.10	-2.69	-4.01	-3.76	-2.95	0.52	594.50	355.60	588.27	361.83	38.09
5	1	9	18.37	-21.45	-53.37	-50.97	-23.85	-8.43	-309.17	-1876.40	-1871.47	-314.10	87.70
		14	12.31	-16.03	-44.44	-41.39	-19.08	8.79	1321.08	832.51	1243.57	910.02	178.50
		17	13.08	-14.90	-43.62	-36.37	-22.15	-12.47	1286.49	174.87	878.49	582.86	535.79
		16	14.13	-10.20	-38.12	-34.31	-14.00	9.57	-126.07	-1391.82	-1308.81	-209.08	313.33
5	35	9	5.15	2.71	-24.61	-6.47	-15.43	-12.91	-33.15	-523.12	-515.08	-41.18	-62.22
		14	6.64	8.36	-18.63	-2.76	-7.52	-13.29	784.61	450.81	779.18	456.25	-42.25
		17	8.97	0.69	-25.90	-10.22	-15.00	-13.08	962.93	676.34	862.60	776.66	136.70
		16	7.43	-4.72	-28.07	-10.67	-22.11	-10.18	77.34	-684.48	-608.37	1.23	228.45
5	67	9	4.90	-2.92	-6.84	-4.00	-5.76	-1.75	-59.47	-530.85	-530.37	-59.95	15.08
		14	5.89	-1.06	-6.18	-2.76	-4.48	-2.41	687.27	413.98	680.82	420.44	41.49
		17	6.44	-3.09	-5.20	-4.56	-3.72	-0.97	753.20	360.26	615.23	498.23	187.56
		16	5.92	-3.43	-10.91	-5.14	-9.20	-3.14	58.85	-572.35	-484.74	-28.75	218.22
5	74	9	9.49	-0.86	-12.82	-12.79	-0.90	0.62	-147.88	-1001.80	-997.37	-152.30	61.31
		14	8.14	-2.30	-13.65	-11.48	-4.46	4.46	932.90	577.09	896.92	613.07	107.27
		17	8.57	-3.24	-12.39	-12.30	-3.34	0.92	970.51	270.20	706.55	534.16	339.38
		16	8.74	-2.76	-10.01	-9.73	-3.04	1.38	3.13	-873.77	-772.62	-98.01	280.11
5	77	9	7.07	-2.97	-7.74	-4.82	-5.88	2.32	-85.85	-763.30	-758.70	-90.45	55.63
		14	8.17	-3.50	-6.44	-4.03	-5.91	1.13	957.82	584.23	930.11	611.93	97.89
		17	8.02	-0.84	-6.74	-4.25	-3.33	2.91	950.99	338.99	739.04	550.94	291.19
		16	7.65	-5.63	-8.83	-5.83	-8.63	-0.78	83.81	-748.41	-614.12	-50.47	306.14
5	80	9	4.89	-2.25	-5.54	-3.39	-4.40	1.57	-60.24	-528.86	-526.12	-62.97	35.69
		14	5.70	-2.63	-4.56	-2.75	-4.44	0.47	669.19	396.30	654.37	411.12	61.84
		17	5.79	-0.22	-4.44	-2.78	-1.88	2.06	690.74	274.50	545.92	419.32	198.26
		16	5.44	-3.93	-6.85	-4.15	-6.63	-0.77	56.23	-535.73	-444.18	-35.32	214.04
6	7	16	12.98	19.54	-10.85	5.31	3.37	15.16	159.14	-1194.20	-932.17	-102.89	534.75
		17	16.72	19.24	-10.66	-4.69	13.27	11.95	1788.34	289.62	1050.25	1027.71	749.28
		15	12.00	34.66	-15.76	2.58	16.32	24.26	246.39	-1008.67	10.27	-772.56	490.50
		2	7.35	0.80	-30.28	-12.21	-17.28	-15.33	233.59	-515.81	-187.70	-94.53	371.79
6	39	16	6.78	-9.71	-26.52	-16.64	-19.59	-8.27	84.58	-642.70	-563.24	5.12	226.89
		17	10.96	24.01	-25.97	-1.80	-0.16	-24.97	1182.37	509.70	824.41	867.65	335.64
		15	7.14	-13.37	-33.12	-29.39	-17.10	-7.73	90.65	-662.92	44.70	-616.98	180.31
		2	4.81	11.65	-7.06	4.51	0.08	-9.09	117.76	-362.76	-147.30	-97.70	238.97
6	71	16	5.84	-8.08	-9.65	-8.14	-9.60	-0.29	73.62	-556.43	-456.32	-26.49	230.32
		17	8.16	3.87	-8.25	-2.11	-2.27	-6.06	910.96	258.75	592.15	577.56	326.02
		15	6.08	-6.68	-8.31	-8.31	-6.68	-0.03	34.14	-604.65	-16.67	-553.85	172.83
		2	3.37	4.13	-7.09	-0.84	-2.12	-5.58	89.41	-259.31	-91.02	-78.87	174.25
6	74	16	8.76	-4.38	-13.16	-12.62	-4.92	2.12	19.16	-858.46	-731.46	-107.84	308.75
		17	10.55	-0.87	-13.49	-11.61	-2.75	4.49	1162.84	161.05	686.57	637.32	500.29
		15	8.24	-0.15	-9.92	-4.78	-5.30	4.88	52.62	-798.90	-50.26	-696.02	277.53
		2	3.51	-1.19	-6.18	-1.84	-5.54	-1.68	103.54	-292.72	-123.06	-66.12	196.07
6	77	16	7.91	-6.36	-12.56	-8.53	-10.40	2.95	106.03	-738.46	-584.14	-48.29	326.35
		17	10.17	-1.88	-5.03	-2.94	-3.97	-1.49	1139.59	236.11	715.59	660.11	450.88
		15	8.17	-2.59	-8.27	-3.83	-7.03	2.35	25.52	-810.76	-49.75	-735.48	239.34
		2	4.03	2.01	-9.66	-3.53	-4.12	-5.83	109.51	-316.29	-101.82	-104.96	212.90
6	80	16	5.64	-4.77	-9.16	-6.15	-7.78	2.04	73.91	-527.73	-420.75	-33.06	230.04
		17	7.38	-0.60	-4.19	-1.84	-2.96	-1.71	830.26	192.59	527.01	495.85	318.45
		15	5.90	-1.99	-5.48	-2.84	-4.63	1.49	16.41	-588.48	-34.52	-537.54	167.98
		2	2.93	1.90	-6.88	-2.33	-2.65	-4.38	80.36	-228.41	-73.45	-74.59	154.38
7	1	14	11.31	-23.32	-37.76	-37.66	-23.41	-1.17	1153.95	893.37	1052.89	994.43	126.97
		7	12.53	-27.75	-34.67	-33.98	-28.44	2.08	1244.37	1088.96	1142.10	1191.22	-73.72
		18	8.64	-32.45	-35.68	-33.43	-34.70	1.49	864.49	569.81	676.85	757.45	-141.72
		17	10.41	-19.57	-29.53	-26.71	-22.39	-4.48	1061.23	152.44	647.10	566.58	452.61
7	19	14	8.62	-4.81	-21.55	-15.16	-11.21	-8.13	963.52	560.96	962.78	561.70	17.24
		7	3.00	1.39	-11.25	-11.18	1.33	-0.91	354.31	196.19	204.62	345.87	-35.53

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		18	5.42	8.78	-9.15	-1.01	0.64	-8.92	511.68	-8.21	87.56	415.91	-201.54
		17	8.21	-13.32	-24.89	-24.56	-13.66	-1.94	871.06	586.12	797.44	659.74	124.73
7	71	14	5.75	-2.78	-6.09	-4.50	-4.37	-1.66	649.05	466.27	642.55	472.76	33.84
		7	4.24	-2.74	-3.89	-3.57	-3.07	-0.52	470.10	368.91	388.29	450.72	-39.82
		18	4.49	-2.38	-5.28	-4.08	-3.58	-1.43	527.37	214.45	253.33	488.49	-103.22
		17	5.74	-4.61	-7.17	-6.56	-5.22	-1.09	660.82	306.01	488.47	478.36	177.33
7	74	14	7.68	-3.84	-10.68	-10.27	-4.25	1.61	850.23	645.70	813.32	682.61	78.66
		7	7.50	-5.53	-10.07	-9.92	-5.68	0.82	805.51	673.96	726.35	753.12	-64.40
		18	6.16	-6.19	-11.87	-11.63	-6.44	1.15	698.13	416.21	468.27	646.08	-109.39
		17	7.18	-1.95	-6.41	-6.37	-1.99	0.39	824.48	229.77	540.33	513.92	297.06
7	77	14	7.84	-5.45	-5.97	-5.56	-5.86	0.21	884.48	652.83	862.29	675.02	68.18
		7	6.37	-3.91	-4.64	-4.64	-3.91	0.03	704.37	565.58	601.28	668.68	-60.66
		18	5.44	-3.56	-3.99	-3.86	-3.68	0.20	638.66	305.14	371.22	572.58	-132.94
		17	7.05	-4.08	-5.30	-5.25	-4.12	-0.23	820.50	307.81	596.98	531.33	254.24
7	80	14	5.55	-3.72	-4.78	-4.13	-4.37	-0.52	629.09	448.52	616.39	461.22	46.18
		7	4.21	-2.45	-3.50	-3.26	-2.68	-0.44	468.89	365.41	394.29	440.00	-46.42
		18	4.00	-2.13	-2.94	-2.55	-2.52	-0.40	471.38	207.99	249.47	429.89	-95.94
		17	5.12	-2.40	-4.36	-3.98	-2.78	-0.78	594.83	239.12	434.61	399.34	176.98
8	1	17	11.19	-19.82	-31.07	-24.97	-25.92	-5.61	1155.40	213.68	634.00	735.08	468.14
		18	8.86	-23.71	-43.01	-32.56	-34.16	9.62	880.74	564.98	610.79	834.93	-111.20
		5	16.30	-29.34	-41.29	-29.46	-41.17	-1.19	-280.54	-1691.59	-283.83	-1688.30	-68.08
		15	13.68	-10.65	-37.67	-19.81	-28.51	12.79	-139.37	-1376.05	-184.67	-1330.76	232.30
8	36	17	3.53	5.61	-13.15	5.41	-12.94	-1.96	256.38	-150.52	117.26	-11.40	193.01
		18	1.73	9.12	-15.38	6.64	-12.90	7.39	151.03	2.32	131.11	22.23	-50.65
		5	8.28	18.97	-15.54	18.09	-14.66	5.43	-163.86	-841.08	-163.91	-841.03	6.15
		15	6.32	25.56	-4.20	25.55	-4.19	-0.57	-155.39	-665.24	-158.07	-662.56	36.87
8	51	17	6.01	-2.17	-11.17	-6.99	-6.36	-4.49	675.48	387.18	500.31	562.36	140.77
		18	4.10	1.84	-6.28	-2.62	-1.82	-4.04	471.07	142.85	186.28	427.64	-111.21
		5	5.25	2.63	-7.28	0.22	-4.87	-4.25	-90.35	-556.99	-107.76	-539.58	-88.44
		15	6.09	3.17	-10.98	-4.94	-2.88	-7.00	-13.11	-624.47	-35.98	-601.60	116.00
8	74	17	7.60	-0.73	-9.55	-6.61	-3.67	4.16	888.21	283.10	534.30	637.01	298.17
		18	6.13	-4.30	-13.63	-12.32	-5.60	3.24	698.94	393.23	419.10	673.07	-85.08
		5	7.96	1.16	-12.86	-3.94	-7.77	6.74	-131.44	-867.12	-138.72	-859.84	-72.81
		15	7.68	-1.75	-4.42	-3.18	-3.00	1.33	-15.41	-797.37	-74.47	-738.30	206.63
8	77	17	7.44	-5.73	-6.54	-5.90	-6.37	-0.33	866.97	387.71	590.43	664.26	236.77
		18	5.37	-3.01	-5.42	-4.86	-3.57	-1.02	632.64	275.15	324.68	583.12	-123.50
		5	7.26	1.02	-6.24	0.88	-6.09	1.00	-124.07	-786.61	-138.42	-772.26	-96.42
		15	7.74	1.05	-7.77	-3.11	-3.61	-4.40	-22.76	-812.85	-63.49	-772.12	174.70
8	80	17	5.43	-3.51	-5.98	-4.65	-4.85	-1.23	627.81	301.94	432.19	497.56	159.62
		18	3.91	-1.43	-4.34	-3.15	-2.62	-1.43	461.86	185.45	215.26	432.05	-85.74
		5	5.28	0.58	-4.77	0.57	-4.76	-0.22	-94.52	-571.16	-104.65	-561.03	-68.75
		15	5.65	1.93	-6.35	-2.32	-2.11	-4.14	-18.26	-590.11	-45.43	-562.94	121.66
9	1	8	15.23	-22.39	-50.26	-31.82	-40.82	-13.19	-237.55	-1573.14	-241.49	-1569.20	72.43
		23	12.91	-24.01	-30.14	-24.62	-29.52	1.84	-5.33	-1268.30	-129.66	-1143.97	376.26
		22	13.49	-12.94	-47.60	-30.51	-30.03	-17.33	1358.62	315.03	692.58	981.08	501.46
		13	12.73	-22.17	-31.05	-23.70	-29.51	-3.36	1374.13	910.21	967.15	1317.19	152.23
9	32	8	5.36	-8.05	-31.43	-31.09	-8.40	-2.81	-42.21	-542.20	-45.29	-539.12	39.13
		23	6.61	-9.87	-27.43	-26.49	-10.80	-3.94	134.45	-574.76	11.03	-451.34	268.88
		22	7.27	4.62	-11.31	-5.66	-1.03	-7.62	836.91	416.55	517.54	735.91	179.60
		13	7.91	4.89	-15.08	-8.10	-2.08	-9.52	926.19	487.97	497.60	916.56	64.27
9	48	8	4.47	-2.52	-4.14	-3.51	-3.16	-0.79	-66.66	-488.11	-70.82	-483.96	41.63
		23	5.14	-1.72	-7.92	-6.27	-3.37	-2.75	64.48	-487.39	-22.98	-399.93	201.53
		22	5.39	-2.29	-3.73	-2.70	-3.32	-0.65	622.88	212.33	367.23	467.99	199.00
		13	5.01	-0.41	-5.22	-3.83	-1.80	-2.18	585.27	344.01	366.05	563.23	69.51
9	74	8	7.11	-3.28	-7.68	-5.22	-5.73	-2.18	-102.26	-773.25	-107.74	-767.77	60.39
		23	7.90	-3.90	-11.49	-9.30	-6.09	-3.44	95.89	-758.63	-40.39	-622.34	312.87
		22	8.46	-5.78	-10.01	-8.34	-7.45	-2.07	957.70	302.90	551.03	709.58	317.66
		13	7.96	-1.40	-9.28	-7.27	-3.41	-3.44	920.23	584.93	619.29	885.87	101.69
9	77	8	6.45	-0.21	-6.53	-2.94	-3.80	3.13	-91.53	-696.79	-102.19	-686.13	79.60
		23	6.73	-4.37	-6.09	-6.06	-4.39	-0.22	90.04	-647.22	-39.85	-517.33	280.88
		22	7.04	0.19	-5.74	-2.90	-2.66	2.96	803.36	193.69	416.79	580.26	293.67
		13	7.00	-2.32	-6.51	-5.88	-2.96	1.50	827.39	473.34	524.68	776.05	124.67
9	80	8	4.35	-0.03	-4.62	-2.18	-2.47	2.29	-64.49	-471.77	-72.34	-463.92	56.00
		23	4.64	-2.84	-4.61	-4.58	-2.87	-0.24	62.85	-447.67	-25.62	-359.21	193.23
		22	4.90	0.53	-3.53	-1.62	-1.39	2.03	562.17	147.45	301.75	407.87	200.46
		13	4.71	-1.60	-4.67	-4.44	-1.82	0.80	557.03	305.03	338.81	523.25	85.86
10	1	23	12.16	-15.85	-47.60	-22.88	-40.58	-13.18	-4.46	-1204.65	-153.44	-1055.66	395.74
		3	4.62	11.05	1.14	3.34	8.85	4.12	85.45	-414.02	-140.45	-188.12	248.59
		20	13.65	-20.28	-52.80	-42.95	-30.13	-14.94	-59.87	-1365.73	-1292.15	-133.45	301.10
		22	16.00	-7.45	-36.00	-22.91	-20.54	-14.22	1616.71	188.24	856.04	948.91	712.73
10	12	23	6.12	-5.62	-20.79	-14.04	-12.37	-7.54	78.62	-573.87	-8.33	-486.91	221.76
		3	4.49	13.17	-8.06	0.60	4.52	-10.43	107.79	-326.20	-90.60	-127.81	216.19
		20	6.28	-9.73	-24.45	-12.59	-21.59	-5.82	67.14	-597.10	-548.04	18.09	173.71
		22	9.56	18.73	-21.52	-0.28	-2.50	-20.09	1006.17	324.42	675.29	655.30	340.72
10	44	23	4.98	-6.18	-7.39	-6.81	-6.77	0.60	70.28	-465.64	-22.03	-373.33	202.37
		3	3.27	7.18	-6.59	-0.32	0.91	-6.86	78.55	-245.22	-80.30	-86.37	161.86
		20	5.17	-4.04	-6.42	-6.10	-4.36	0.82	23.96	-508.48	-464.08	-20.45	147.22
		22	6.95	3.75	-6.23	-1.51	-0.97	-4.99	748.19	130.16	427.14	451.21	308.78
10	74	23	7.80	-9.54	-11.22	-9.56	-11.20	0.21	103.75	-733.16	-44.29	-585.13	319.34
		3	4.70	7.40	-9.24	-2.26	0.42	-8.21	117.21	-362.02	-112.51	-132.30	239.41
		20	8.06	-9.70	-12.62	-11.70	-10.61	1.36	44.58	-786.30	-710.59	-31.13	239.11
		22	10.69	3.99	-10.08	-3.02	-3.08	-7.04	1147.51	187.47	648.12	686.87	479.63
10	77	23	6.88	-3.77	-11.40	-7.41	-7.76	3.81	99.95	-627.51	-39.84	-487.71	286.62
		3	4.01	6.27	-8.70	-1.66	-0.76	-7.47	97.56	-307.93	-107.44	-102.94	202.73
		20	7.06	0.67	-8.48	-7.18	-0.64	3.20	18.79	-689.82	-625.51	-45.52	203.55
		22	8.84	-0.48	-3.57	-2.94	-1.11	-1.25	957.51	106.52	501.55	562.48	424.40
10	80	23	4.74	-2.54	-8.30	-5.48	-5.37	2.88	70.05	-430.58	-24.17	-336.36	195.69
		3	2.90	5.53	-6.03	-0.49	-9.07e-03	-5.77	69.50	-220.89	-78.13	-73.26	145.17
		20	4.94	0.96	-5.61	-4.85	0.20	2.10	9.56	-483.96	-442.45	-31.95	136.98
		22	6.21	0.60	-2.90	-2.03	-0.27	-1.51	671.51	79.70	357.28	393.93	295.34
11	1	13	11.80	-25.67	-35.54	-29.44	-31.77	-4.80	1200.75	950.90	1034.75	1116.90	117.98
		22	11.19	-26.78	-35.69	-33.12	-29.35	-4.04	1169.57	296.35	690.03	775.89	434.49
		24	8.28	-27.85	-40.43	-39.42	-28.86	-3.42	839.08	501.25	746.08	594.25	-150.89
		7	12.63	-26.50	-32.52	-32.17	-26.85	-1.41	1281.37	1077.31	1255.46	1103.22	-67.94
11	28	13	7.82	-3.45	-20.50	-12.61	-11.34	-8.50	872.23	535.90	541.06	867.07	41.32
		22	6.86	-2.48	-19.30	-9.53	-12.25	-8.30	746.05	413.87	506.95	652.97	149.18
		24	4.67	9.76	-10.95	-1.75	0.57	-10.29	466.85	65.81	370.61	162.05	-171.27
		7	4.19	7.97	-6.80	2.30	-1.13	-7.18	471.36	300.65	430.18	341.83	-73.03
11	44	13	4.78	-2.30	-5.24	-3.71	-3.83	-1.47	543.53	369.48	399.63	513.38	65.87
		22	4.87	-2.17	-5.10	-3.47	-3.80	-1.45	555.19	190.62	359.19	386.63	181.77
		24	3.29	-1.97	-4.72	-3.63	-3.06	-1.34	383.34	200.19	362.05	221.48	-58.70

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		7	4.50	-1.21	-3.92	-2.72	-2.41	-1.34	501.23	401.54	474.53	428.25	-44.15
11	74	13	7.50	-5.99	-8.06	-7.81	-6.24	-0.67	837.43	621.74	667.82	791.35	88.40
		22	7.41	-6.93	-9.12	-8.59	-7.46	0.94	850.28	278.84	545.86	583.27	285.11
		24	5.40	-6.65	-10.86	-9.42	-8.10	-2.00	612.32	349.77	573.12	388.97	-93.57
		7	7.61	-4.57	-8.76	-8.12	-5.21	-1.50	828.27	680.62	798.85	710.03	-58.98
11	77	13	6.59	-4.12	-5.65	-5.25	-4.53	0.68	757.93	505.84	564.58	699.19	106.57
		22	6.17	-2.81	-3.75	-3.51	-3.05	0.41	709.27	192.50	411.64	490.13	255.39
		24	4.02	-2.36	-4.16	-4.12	-2.40	0.26	464.71	276.16	420.06	320.81	-80.16
		7	6.50	-3.71	-4.78	-4.77	-3.72	-0.07	711.45	590.97	670.12	632.30	-57.19
11	80	13	4.49	-3.19	-3.90	-3.90	-3.20	-0.08	518.71	326.47	368.47	476.71	79.44
		22	4.34	-1.85	-2.43	-2.32	-1.96	-0.23	497.81	139.25	294.38	342.68	177.65
		24	2.73	-1.12	-3.01	-2.93	-1.19	-0.38	316.89	180.88	295.11	202.66	-49.88
		7	4.32	-2.18	-3.70	-3.47	-2.40	-0.54	475.91	385.89	443.27	418.54	-43.28
12	1	22	11.93	-17.73	-40.06	-31.38	-26.41	-10.89	1237.17	373.01	856.24	753.93	429.04
		20	14.51	-25.17	-40.17	-34.03	-31.31	7.38	-112.97	-1461.99	-1423.69	-151.27	224.06
		6	16.15	-25.97	-50.22	-42.99	-33.20	-11.09	-307.15	-1671.28	-1664.44	-313.98	-96.30
		24	8.57	-27.97	-34.61	-34.56	-28.02	0.59	884.33	475.06	823.59	535.80	-145.50
12	32	22	7.32	4.38	-30.16	-12.63	-13.15	-17.26	749.18	541.31	643.81	646.67	103.93
		20	7.20	13.01	-26.95	-3.96	-9.98	-19.75	7.78	-692.74	-677.30	-7.65	102.83
		6	5.50	17.68	-22.53	-5.66	0.81	-19.84	-69.17	-500.27	-451.71	-117.73	-136.30
		24	5.50	19.27	-14.57	2.60	2.11	-16.92	476.87	11.14	361.70	126.31	-200.93
12	64	22	5.01	-1.39	-7.92	-5.59	-3.72	-3.13	566.89	242.43	414.92	394.39	161.90
		20	5.31	4.82	-8.19	-1.73	-1.65	-6.51	-5.59	-540.60	-515.50	-30.69	113.12
		6	4.88	4.70	-6.13	-4.96	3.52	-3.37	-106.45	-522.15	-512.87	-115.74	-61.42
		24	3.08	2.85	-5.83	-1.90	-1.08	-4.32	357.10	140.09	324.54	172.65	-77.50
12	74	22	7.67	-5.89	-7.76	-6.81	-6.84	0.93	891.54	330.14	652.27	569.41	277.63
		20	7.80	-5.19	-10.50	-6.16	-9.52	-2.06	2.85	-809.44	-758.72	-47.87	196.54
		6	7.62	-4.67	-8.85	-8.79	-4.73	0.49	-153.35	-830.55	-820.95	-162.96	-80.07
		24	5.45	-4.19	-10.43	-5.63	-9.00	-2.63	635.55	320.27	605.50	350.33	-92.59
12	77	22	6.40	-3.00	-5.73	-5.38	-3.35	0.91	743.59	240.22	505.41	478.40	251.32
		20	6.79	2.13	-5.37	-2.65	-0.59	-3.61	-9.07	-709.84	-667.68	-51.23	166.63
		6	6.69	4.92	-6.21	-5.95	4.66	1.66	-139.66	-727.06	-718.75	-147.97	-69.37
		24	4.12	-2.72	-4.61	-3.54	-3.79	-0.94	483.37	251.21	446.55	288.03	-84.81
12	80	22	4.50	-2.30	-4.01	-4.00	-2.30	-0.10	519.92	175.30	359.33	335.89	171.91
		20	4.82	2.91	-4.16	-1.30	0.05	-3.47	-7.51	-500.82	-473.14	-35.19	113.52
		6	4.78	4.14	-4.68	-4.66	4.13	0.33	-108.28	-518.48	-513.53	-113.24	-44.82
		24	2.79	-0.97	-3.76	-2.59	-2.13	-1.38	328.83	161.59	310.16	180.26	-52.66
13	7	7	11.89	11.52	2.51	4.97	9.07	4.01	1290.55	1117.69	1236.13	1172.10	-80.29
		24	9.62	11.75	2.12	11.38	2.49	1.86	1105.95	711.74	1032.93	784.76	-153.15
		25	12.76	3.00	-4.83	-3.14	1.30	-3.23	1457.38	363.32	883.97	936.73	-546.39
		18	10.53	15.47	6.16	6.21	15.43	0.65	1185.43	807.10	876.66	1115.88	-146.55
13	21	7	5.50	-1.75	-10.95	-7.03	-5.67	4.55	583.45	487.37	573.21	497.61	-29.65
		24	5.52	-5.56	-13.75	-7.90	-11.41	3.70	620.54	358.35	615.64	363.24	-35.48
		25	7.60	-11.05	-20.22	-16.64	-14.63	4.47	826.80	343.20	582.69	587.31	-241.79
		18	5.32	-0.75	-8.53	-3.56	-5.73	3.74	598.75	421.76	421.93	598.57	-5.61
13	53	7	4.62	-3.50	-3.66	-3.54	-3.61	-0.07	498.27	426.17	470.27	454.16	-35.14
		24	3.55	-3.67	-4.19	-3.87	-3.99	-0.26	406.64	247.32	378.13	275.83	-61.07
		25	5.54	-3.21	-6.81	-5.51	-4.51	1.73	611.07	141.66	350.89	401.84	-233.32
		18	4.36	-3.14	-3.60	-3.23	-3.52	-0.18	505.95	302.37	334.60	473.71	-74.32
13	74	7	7.81	-6.20	-9.68	-9.62	-6.26	0.44	832.24	713.18	792.61	752.81	-56.10
		24	5.84	-7.17	-9.67	-8.73	-8.11	1.21	655.51	403.61	588.56	470.56	-111.28
		25	8.18	-9.12	-12.92	-12.75	-9.29	0.78	884.20	154.27	500.12	538.35	-364.46
		18	6.25	-5.15	-6.46	-6.40	-5.20	0.27	714.69	467.15	531.90	649.95	-108.79
13	77	7	6.61	-3.84	-5.48	-5.00	-4.32	-0.75	714.56	612.82	664.52	662.86	-50.86
		24	4.42	-2.79	-5.12	-4.67	-3.24	-0.92	513.53	305.03	433.03	385.53	-101.51
		25	6.86	-3.06	-5.56	-4.96	-3.66	1.07	733.80	76.78	369.03	441.54	-326.51
		18	5.61	-3.12	-5.92	-5.07	-3.97	-1.28	658.58	371.47	452.77	577.28	-129.35
13	80	7	4.35	-2.01	-4.66	-3.64	-3.03	-1.29	470.92	400.79	437.75	433.96	-35.02
		24	3.00	-1.16	-4.30	-3.47	-2.00	-1.39	350.74	204.34	308.19	246.89	-66.47
		25	4.96	-2.07	-3.57	-3.42	-2.22	0.45	544.56	85.66	283.04	347.19	-227.20
		18	4.09	-1.47	-5.05	-3.71	-2.80	-1.73	483.17	261.61	308.71	436.07	-90.65
14	1	18	9.64	-23.09	-34.57	-23.49	-34.16	2.12	1009.92	613.96	731.42	892.46	-180.86
		25	13.52	-12.41	-54.03	-32.92	-33.51	20.80	1237.19	61.39	563.00	735.58	-581.53
		26	13.28	-26.86	-34.75	-26.87	-34.75	-0.26	-57.50	-1317.36	-135.04	-1239.82	-302.79
		5	16.36	-16.65	-55.99	-30.59	-42.06	18.82	-263.27	-1693.77	-266.20	-1690.85	-64.61
14	32	18	2.08	9.77	-15.79	7.32	-13.35	-7.52	147.15	12.52	119.81	39.85	-54.16
		25	4.53	2.56	-16.31	2.02	-15.77	3.13	417.45	-45.90	217.46	154.08	-229.50
		26	6.66	12.09	-8.47	11.33	-7.70	3.90	-102.95	-691.83	-108.60	-686.18	-57.37
		5	8.19	23.36	-14.13	23.20	-13.97	2.46	-191.69	-838.59	-191.87	-838.41	-10.86
14	57	18	4.67	-3.41	-4.58	-4.19	-3.80	0.55	544.28	278.26	315.04	507.50	-91.82
		25	5.92	-3.13	-7.21	-4.29	-6.06	1.84	654.57	159.51	344.78	469.30	-239.57
		26	5.61	-3.15	-10.72	-7.20	-6.67	3.77	37.99	-560.28	-23.88	-498.41	-182.17
		5	5.48	-1.21	-5.44	-2.18	-4.47	1.78	-92.61	-596.72	-93.84	-595.49	-24.88
14	74	18	6.79	-3.06	-9.71	-7.29	-5.48	3.20	779.07	438.21	503.17	714.11	-133.88
		25	8.99	-5.50	-15.83	-11.15	-10.18	5.14	952.84	169.83	487.22	635.45	-384.43
		26	8.21	-4.61	-17.81	-12.00	-10.43	6.56	59.18	-811.79	-37.07	-715.54	-273.06
		5	8.05	0.13	-11.61	-4.63	-6.84	5.76	-127.30	-876.43	-130.01	-873.72	-45.00
14	77	18	6.08	-2.94	-7.88	-6.15	-4.67	-2.36	718.92	341.47	430.72	629.67	-160.38
		25	7.42	-4.01	-5.87	-4.21	-5.67	-0.58	797.99	73.74	359.40	512.34	-353.96
		26	6.95	-4.37	-9.89	-6.66	-7.60	2.72	50.95	-692.80	-42.41	-599.44	-246.42
		5	7.35	-0.62	-5.15	-0.74	-5.02	-0.74	-116.67	-796.63	-123.10	-790.20	-65.81
14	80	18	4.40	-1.29	-7.05	-4.71	-3.63	-2.83	522.00	238.41	292.53	467.88	-111.45
		25	5.31	-2.16	-4.58	-2.66	-4.07	-0.99	588.55	91.27	277.88	401.93	-240.78
		26	5.18	-4.03	-6.56	-4.75	-5.84	1.14	32.81	-513.76	-30.07	-450.88	-174.40
		5	5.34	0.31	-4.41	-0.34	-3.76	-1.62	-91.24	-579.17	-94.77	-575.64	-41.35
15	1	24	9.56	-26.44	-38.77	-37.91	-27.30	-3.14	1004.88	558.70	882.34	681.25	-199.15
		6	16.08	-26.19	-53.30	-42.78	-36.71	13.21	-265.64	-1671.55	-1667.24	-269.95	-77.76
		21	13.30	-30.74	-44.76	-39.88	-35.62	-6.68	-29.61	-1281.21	-1198.81	-112.02	-310.40
		25	12.98	-13.75	-40.49	-29.19	-25.06	13.21	1240.35	63.98	726.15	578.17	-583.51
15	29	24	3.86	7.56	-17.16	-1.82	-7.77	12.00	439.16	239.49	425.08	253.57	51.12
		6	5.12	8.98	-23.52	-6.37	-8.17	16.22	-85.39	-522.93	-517.22	-91.09	49.65
		21	7.02	-0.17	-27.33	-9.62	-17.88	12.93	50.05	-660.39	-621.53	11.18	-161.56
		25	7.74	0.28	-30.01	-13.61	-16.11	15.09	804.47	420.87	604.68	620.66	-191.63
15	45	24	3.62	-3.21	-5.58	-3.52	-5.27	-0.81	421.01	226.13	399.95	247.18	-60.50
		6	4.90	-1.14	-4.88	-4.42	-1.60	1.24	-96.19	-536.15	-535.69	-96.65	-14.27
		21	5.51	-5.58	-11.78	-7.57	-9.79	2.90	45.53	-547.55	-492.88	-9.15	-171.57
		25	5.73	-2.37	-5.68	-5.65	-2.41	0.34	652.98	187.15	439.43	400.70	-232.11
15	74	24	6.08	-7.71	-9.63	-7.77	-9.58	-0.32	696.78	375.26	638.98	433.06	-123.46
		6	7.62	-4.43	-9.78	-7.24	-6.97	2.68	-132.05	-833.86	-831.06	-134.84	-44.18
		21	8.07	-12.56	-19.40	-13.96	-18.01	2.76	76.66	-789.50	-695.78	-17.06	-269.06
		25	8.58	-5.27	-7.76	-7.76	-5.27	-1.24e-03	953.63	188.65	611.29	530.98	-380.38

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

15	77	24	4.57	-2.66	-6.71	-4.55	-4.83	-2.02	535.35	288.55	472.59	351.31	-107.47
		6	6.74	2.90	-5.35	-5.26	2.81	0.86	-123.09	-729.54	-726.67	-125.96	-41.67
		21	6.92	-3.88	-11.39	-8.00	-7.26	3.74	47.67	-692.78	-614.80	-30.31	-227.30
		25	7.23	-1.83	-7.41	-7.16	-2.08	-1.16	795.96	111.78	469.74	438.00	-341.72
15	80	24	3.05	-0.99	-5.96	-3.50	-3.45	-2.48	358.44	189.79	328.15	220.08	-64.73
		6	4.80	3.05	-4.00	-3.99	3.04	-0.20	-97.20	-520.50	-519.48	-98.22	-20.74
		21	5.16	-3.48	-7.81	-6.21	-5.07	2.09	29.90	-514.73	-465.08	-19.74	-156.76
		25	5.14	-0.24	-5.88	-5.43	-0.70	-1.54	586.05	125.91	364.61	347.36	-229.91
16	1	25	16.30	-11.37	-37.47	-24.07	-24.76	13.05	1526.70	-76.23	720.11	730.37	-801.45
		21	12.19	-20.21	-59.55	-45.40	-34.36	18.88	-11.25	-1214.45	-1099.34	-126.37	-353.91
		4	4.04	10.07	-4.82	1.46	3.79	-7.35	39.97	-354.91	-135.55	-179.39	-196.22
		26	12.36	-8.84	-56.47	-23.17	-42.14	21.84	-56.51	-1256.05	-171.99	-1140.57	-353.81
16	21	25	10.64	16.93	-23.63	-1.90	-4.81	20.23	1094.28	264.91	676.76	682.43	-414.68
		21	6.60	-15.23	-30.86	-18.75	-27.33	6.53	100.01	-610.28	-540.02	29.75	-212.06
		4	4.38	10.74	-7.62	0.64	2.49	9.14	88.19	-339.74	-103.52	-148.02	-212.81
		26	6.77	-4.50	-26.86	-14.85	-16.50	11.15	50.46	-662.80	-15.25	-597.09	-206.28
16	57	25	7.82	-0.10	-6.99	-3.80	-3.29	3.44	820.12	72.94	430.05	463.01	-373.22
		21	5.42	-8.85	-10.86	-10.27	-9.44	0.91	48.39	-521.28	-458.15	-14.74	-178.83
		4	3.08	5.29	-5.92	-0.77	0.14	5.59	58.73	-248.53	-87.90	-101.89	-153.47
		26	5.56	-5.65	-10.27	-6.22	-9.70	1.52	34.21	-543.17	-38.27	-470.68	-191.30
16	74	25	11.70	2.06	-13.04	-5.58	-5.40	7.55	1183.74	47.47	602.43	628.79	-567.98
		21	7.94	-13.74	-20.90	-16.42	-18.21	3.47	89.49	-764.83	-653.22	-22.12	-287.91
		4	4.14	3.67	-10.44	-4.17	-2.59	7.01	88.94	-333.81	-107.56	-137.31	-210.85
		26	8.05	-6.91	-17.88	-10.67	-14.12	5.21	60.49	-796.44	-59.08	-676.87	-296.93
16	77	25	9.68	-3.83	-5.75	-5.74	-3.84	0.14	989.10	-16.32	463.32	509.47	-502.18
		21	6.94	-7.40	-10.75	-10.59	-7.56	0.72	55.31	-672.24	-577.29	-39.63	-245.08
		4	3.46	3.10	-9.14	-3.20	-2.84	6.12	70.77	-280.11	-102.09	-107.25	-175.42
		26	7.06	-6.81	-10.09	-6.82	-10.08	0.13	54.71	-684.06	-59.04	-570.31	-266.64
16	80	25	6.99	-2.48	-4.55	-4.35	-2.68	-0.62	734.73	21.39	357.76	398.36	-356.10
		21	5.12	-4.83	-8.49	-8.46	-4.86	-0.33	32.05	-493.54	-434.09	-27.41	-166.48
		4	2.65	3.50	-5.24	-1.02	-0.71	4.37	49.64	-218.80	-82.83	-86.34	-134.21
		26	5.21	-4.20	-8.19	-4.45	-7.95	-0.96	31.53	-502.36	-43.34	-427.48	-185.39
17	1	1	4.96	45.37	-51.31	-1.19	-4.75	-48.31	64.00	-147.34	7.83	-91.17	93.36
		12	15.90	4.48	-106.33	-22.17	-79.68	47.36	-295.62	-1439.67	-296.04	-1439.25	21.97
		28	4.60	-2.84	-72.45	-3.91	-71.38	-8.56	250.15	-74.74	147.49	27.92	-151.04
		27	3.65	-3.97	-31.68	-18.26	-17.40	13.85	71.38	-253.47	-121.70	-60.40	-159.51
17	10	1	4.94	38.19	-49.92	0.62	-12.35	-43.58	118.97	-108.65	6.77	3.55	113.80
		12	7.72	-10.35	-102.58	-40.38	-72.55	43.22	-29.15	-444.34	-56.41	-417.08	102.83
		28	4.54	-0.44	-61.75	-0.67	-61.52	-3.76	-11.82	-312.86	-115.80	-208.88	143.15
		27	2.42	7.56	-27.69	-6.28	-13.85	17.22	202.44	8.57	201.34	9.67	14.52
17	62	1	3.72	23.39	-35.02	-2.42	-9.20	-29.01	119.27	-95.58	48.75	-25.07	100.89
		12	6.43	2.21	-58.49	-11.94	-44.34	25.66	-91.41	-477.33	-114.26	-454.48	91.07
		28	3.51	6.00	-43.56	4.92	-42.48	-7.22	-45.85	-283.62	-129.39	-200.08	113.51
		27	2.21	3.36	-10.03	1.67	-8.34	4.44	210.52	15.31	210.52	15.32	0.95
17	74	1	4.38	27.38	-39.68	-4.73	-7.57	-33.50	142.21	-126.43	76.37	-60.58	115.56
		12	9.99	7.51	-72.58	-8.43	-56.64	31.98	-185.24	-834.79	-201.30	-818.74	100.84
		28	3.98	10.34	-56.20	9.45	-55.32	-7.62	-62.77	-248.21	-105.46	-205.52	78.06
		27	2.66	4.93	-9.87	4.55	-9.49	2.36	247.78	4.63	235.85	16.56	-52.53
17	77	1	4.61	30.88	-37.22	-0.31	-6.03	-33.93	162.88	-122.38	74.17	-33.67	132.05
		12	8.71	3.84	-78.58	-16.27	-58.47	35.40	-116.91	-644.56	-153.43	-608.04	133.93
		28	4.83	9.92	-54.62	9.48	-54.18	-5.29	-54.09	-387.69	-173.65	-268.13	159.97
		27	3.05	5.55	-12.59	2.11	-9.15	7.11	297.58	28.56	297.27	28.86	9.12
17	80	1	3.29	21.59	-27.53	-0.53	-5.41	-24.44	115.33	-85.88	51.72	-22.27	93.56
		12	6.11	3.32	-55.41	-11.26	-40.82	25.38	-82.29	-450.64	-107.44	-425.49	92.91
		28	3.40	6.26	-38.84	5.86	-38.43	-4.25	-44.22	-274.39	-124.22	-194.38	109.61
		27	2.15	4.31	-10.02	1.54	-7.25	5.66	206.63	19.06	206.46	19.24	5.68
18	7	27	9.36	39.30	-0.90	38.56	-0.16	5.41	845.19	67.86	845.18	67.86	-1.98
		28	7.91	32.70	-76.68	31.33	-75.30	-12.18	-303.33	-721.89	-447.52	-577.69	198.90
		30	5.57	43.79	-67.75	43.52	-67.48	-5.53	-250.35	-381.38	-381.32	-250.41	2.78
		29	11.00	37.68	-9.03	35.75	-7.10	-9.31	1066.57	196.66	1065.36	197.87	-32.38
18	10	27	2.87	12.94	-15.04	7.25	-9.35	11.26	215.74	-9.59	211.45	-5.30	30.80
		28	4.04	-5.49	-59.69	-5.67	-59.51	3.13	-73.74	-239.46	-115.92	-197.28	72.19
		30	2.50	8.99	-45.75	8.86	-45.62	2.60	-81.00	-123.22	-110.60	-93.62	19.32
		29	3.19	15.25	-23.18	6.02	-13.95	16.41	266.59	33.76	266.23	34.13	9.22
18	42	27	2.62	9.25	-6.82	7.79	-5.36	4.62	224.43	2.64	222.95	4.13	18.09
		28	3.20	2.47	-39.71	2.46	-39.70	0.61	-91.19	-228.29	-127.89	-191.59	60.70
		30	1.86	9.51	-32.75	9.47	-32.72	-1.18	-81.84	-110.44	-109.60	-82.68	4.82
		29	2.82	8.29	-12.51	5.96	-10.18	6.56	265.19	42.50	265.19	42.50	-0.22
18	74	27	3.08	10.28	-7.81	10.22	-7.76	-1.00	258.94	-4.77	253.25	0.92	-38.34
		28	3.81	8.72	-51.49	8.63	-51.39	-2.38	-104.71	-216.87	-108.01	-213.57	18.95
		30	2.60	15.04	-46.10	14.32	-45.38	-6.61	48.47	-27.10	-15.34	36.71	-27.39
		29	2.99	7.82	-14.35	7.81	-14.34	-0.50	279.10	58.02	275.47	61.65	-28.08
18	77	27	3.59	11.21	-6.89	10.71	-6.39	2.99	317.84	8.03	316.65	9.22	19.23
		28	4.25	6.32	-51.02	6.32	-51.02	0.32	-125.68	-311.30	-177.05	-259.93	83.04
		30	2.48	14.51	-43.80	14.34	-43.63	-3.21	-99.31	-147.48	-146.00	-100.78	8.31
		29	3.92	9.24	-13.25	8.27	-12.29	4.57	379.35	65.07	379.33	65.09	-2.71
18	80	27	2.52	8.39	-5.07	7.75	-4.42	2.88	220.64	4.00	219.84	4.80	13.08
		28	2.98	4.13	-35.23	4.13	-35.23	-0.25	-94.44	-220.64	-126.66	-188.42	55.02
		30	1.70	9.50	-29.90	9.37	-29.77	-2.22	-74.72	-102.11	-102.11	-74.72	-0.10
		29	2.68	6.77	-10.40	5.74	-9.37	4.07	256.31	43.11	256.26	43.16	-3.49
19	7	29	10.97	40.37	-3.97	39.85	-3.45	4.75	1057.22	191.22	1055.13	193.31	-42.44
		30	5.35	42.61	-65.32	40.81	-63.52	-13.83	-263.74	-377.23	-377.11	-263.87	3.77
		32	4.95	35.60	-63.44	34.75	-62.58	-9.16	-51.28	-326.44	-263.19	-114.53	-115.78
		31	9.43	30.73	-6.15	27.61	-3.03	-10.26	934.39	177.18	934.07	177.50	-15.64
19	38	29	3.11	8.50	-13.63	7.98	-13.10	-3.38	278.37	35.26	277.91	35.72	-10.66
		30	2.32	14.12	-42.52	9.10	-37.49	-16.10	-86.53	-113.10	-111.46	-88.16	6.39
		32	2.16	13.48	-35.28	7.55	-29.34	-15.94	-33.85	-101.23	-84.62	-50.46	-29.04
		31	2.91	8.34	-15.82	6.98	-14.46	-5.57	264.76	51.35	264.16	51.95	-11.32
19	70	29	2.78	7.61	-8.13	7.19	-7.72	2.53	264.04	40.60	263.91	40.72	-5.33
		30	1.71	10.35	-29.41	9.68	-28.74	-5.12	-77.61	-105.13	-105.05	-77.69	1.46
		32	1.61	9.38	-26.83	8.11	-25.56	-6.68	-31.99	-99.51	-83.56	-47.94	-28.68
		31	2.49	5.71	-8.67	5.70	-8.66	0.38	239.43	42.79	239.11	43.11	-7.94
19	74	29	2.94	8.50	-11.76	8.48	-11.75	-0.56	272.47	51.17	268.68	54.96	-28.72
		30	2.42	14.83	-42.78	14.01	-41.96	-6.85	40.82	-19.51	-12.71	34.02	-19.08
		32	2.47	12.98	-43.86	11.04	-41.92	-10.32	58.15	6.77	9.16	55.76	-10.82
		31	2.56	7.43	-10.74	6.80	-10.12	-3.31	243.93	51.39	243.30	52.01	10.94
19	77	29	3.87	10.13	-10.53	9.19	-9.59	4.31	374.23	60.59	374.21	60.61	-2.37
		30	2.35	13.92	-40.46	13.72	-40.26	-3.28	-99.31	-145.57	-143.75	-101.14	9.01
		32	2.24	13.05	-39.03	12.26	-38.23	-6.39	-61.78	-141.80	-125.43	-78.15	-32.28
		31	3.56	7.52	-8.91	7.39	-8.78	1.45	350.53	58.66	350.34	58.85	-7.52
19	80	29	2.64	7.79	-7.72	6.62	-6.55	4.10	252.37	39.82	252.31	39.88	-3.52

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		30	1.58	9.21	-26.64	9.06	-26.49	-2.34	-75.51	-100.62	-100.62	-75.51	0.06
		32	1.47	8.28	-24.82	7.77	-24.31	-4.08	-30.61	-96.55	-80.18	-46.98	-28.49
		31	2.30	4.94	-7.99	4.57	-7.62	2.16	225.04	39.02	224.73	39.33	-7.61
20	7	31	9.44	32.40	2.19	32.37	2.23	-1.05	931.11	184.82	930.47	185.46	-21.83
		32	4.65	36.78	-61.99	34.35	-59.57	-15.29	-74.37	-329.40	-268.43	-135.34	-108.78
		34	6.12	11.11	-67.98	9.95	-66.82	-9.49	-19.80	-432.33	-194.37	-257.76	-203.82
		33	6.06	22.90	7.17	18.91	11.16	-6.84	591.57	49.06	591.45	49.17	-8.02
20	16	31	1.43	12.12	-16.21	3.04	-7.13	-13.22	26.98	-34.57	-29.52	21.93	16.89
		32	2.90	12.83	-28.23	2.94	-18.34	-17.56	227.03	179.38	189.09	217.33	19.19
		34	2.47	2.23	-32.50	-7.32	-22.94	-15.51	149.98	19.07	116.64	52.41	57.04
		33	1.95	10.47	-10.65	2.65	-2.83	-10.20	64.64	-82.43	-19.95	2.16	72.70
20	70	31	2.45	6.25	-5.41	6.18	-5.34	0.88	240.17	43.82	239.85	44.14	-7.90
		32	1.54	10.60	-23.96	9.21	-22.57	-6.79	-34.60	-100.52	-84.95	-50.17	-28.00
		34	2.22	5.31	-24.95	3.27	-22.91	-7.58	-26.35	-146.07	-74.76	-97.66	-58.76
		33	1.84	5.63	-2.06	5.62	-2.06	0.24	170.76	12.85	169.45	14.16	-14.31
20	74	31	2.55	8.33	-7.11	7.56	-6.34	-3.36	247.84	54.64	247.20	55.27	11.02
		32	2.46	14.69	-41.34	12.51	-39.16	-10.82	56.01	6.18	6.32	55.87	-2.64
		34	3.19	2.83	-47.13	0.37	-44.67	-10.81	-39.90	-148.81	-46.63	-142.08	-26.22
		33	2.15	9.09	1.64	8.14	2.59	-2.49	196.92	-4.60	193.06	-0.74	27.62
20	77	31	3.54	8.32	-5.29	8.18	-5.15	1.38	353.00	61.16	352.85	61.30	-6.58
		32	2.18	14.38	-36.32	13.45	-35.40	-6.79	-64.68	-143.41	-127.78	-80.31	-31.41
		34	3.53	5.44	-39.93	4.09	-38.58	-7.70	-68.36	-246.44	-127.69	-187.11	-83.93
		33	2.77	8.37	1.81	8.22	1.96	1.00	262.74	7.09	261.00	8.83	-21.01
20	80	31	2.28	5.91	-4.77	5.37	-4.23	2.35	225.53	39.99	225.25	40.27	-7.18
		32	1.40	9.21	-22.01	8.56	-21.36	-4.46	-33.02	-97.57	-81.41	-49.18	-27.96
		34	2.07	3.97	-23.42	2.93	-22.39	-5.22	-26.70	-142.13	-72.14	-96.69	-56.40
		33	1.67	4.95	-1.70	4.46	-1.21	1.74	158.59	8.17	157.17	9.60	-14.58
21	1	33	2.65	9.74	-10.22	-4.75	4.27	-8.90	54.54	-179.06	-56.83	-67.70	116.67
		34	3.81	0.32	-60.43	-3.05	-57.06	-13.91	131.44	-167.61	74.39	-110.55	117.50
		36	11.72	-21.05	-80.52	-36.82	-64.75	-26.25	-191.92	-1059.85	-193.75	-1058.02	-39.83
		35	3.05	35.84	-14.93	7.35	13.56	25.20	43.28	-108.29	3.99	-68.99	-66.42
21	12	33	2.05	11.47	-9.45	1.30	0.72	-10.46	65.32	-93.17	-21.34	-6.51	78.90
		34	2.53	4.36	-29.02	-4.58	-20.08	-14.78	161.73	25.95	114.36	73.32	64.71
		36	4.54	-11.71	-38.14	-27.30	-22.54	-13.00	-41.33	-427.40	-41.34	-427.39	1.86
		35	0.44	6.60	-3.84	-0.73	3.49	4.77	-4.76	-18.27	-4.81	-18.21	0.83
21	62	33	1.61	4.62	1.21	4.61	1.22	0.17	158.79	17.30	157.33	18.76	-14.31
		34	2.50	6.95	-21.23	5.51	-19.78	-6.21	4.10	-178.76	-72.36	-102.30	-90.20
		36	3.32	-1.60	-27.32	-8.03	-20.89	-11.13	-29.24	-252.46	-54.24	-227.45	-70.40
		35	1.47	10.63	-5.48	0.59	4.56	7.81	63.23	-48.97	36.72	-22.46	-47.66
21	74	33	1.85	10.39	1.48	5.28	6.60	-4.41	183.42	-5.63	177.04	0.76	34.15
		34	3.31	5.77	-43.13	4.28	-41.63	-8.41	-8.67	-170.73	-44.54	-134.87	-67.28
		36	7.64	-17.61	-55.57	-26.90	-46.28	-16.32	-106.90	-657.52	-124.12	-640.31	-95.83
		35	2.63	23.34	-12.34	0.11	10.89	17.00	73.85	-95.40	37.40	-58.96	-69.57
21	77	33	2.42	6.65	5.22	6.11	5.76	-0.70	243.41	14.86	241.80	16.47	-19.12
		34	3.97	8.05	-36.18	7.35	-35.48	-5.52	-16.12	-301.20	-123.73	-193.59	-138.19
		36	5.98	-9.85	-46.19	-17.05	-38.99	-14.48	-67.49	-481.02	-105.51	-443.00	-119.49
		35	2.73	21.56	-11.00	0.68	9.89	15.61	99.73	-94.92	52.45	-47.64	-83.47
21	80	33	1.46	4.38	1.69	3.77	2.30	1.13	146.83	12.20	145.40	13.63	-13.79
		34	2.34	5.64	-20.08	4.89	-19.33	-4.33	3.15	-173.51	-69.67	-100.70	-86.96
		36	3.19	-4.18	-25.22	-8.57	-20.83	-8.55	-30.33	-250.44	-54.03	-226.74	-68.22
		35	1.50	11.26	-6.51	0.28	4.47	8.63	57.50	-50.57	30.93	-23.99	-46.54
22	7	116	12.20	34.15	-52.04	-51.34	33.45	7.73	-922.62	-1363.28	-1035.34	-1250.56	-192.26
		38	12.06	64.64	-30.70	13.36	20.57	-47.53	-525.82	-1261.16	-732.43	-1054.56	-330.51
		50	7.67	49.76	-55.05	44.34	-49.64	23.20	-27.00	-470.62	-81.88	-415.74	146.06
		122	16.70	184.27	54.03	141.27	97.03	-61.25	-1009.69	-1366.32	-1311.58	-1064.42	-128.55
22	37	116	3.16	-1.46	-18.36	-18.36	-1.46	0.15	-218.06	-325.37	-263.72	-279.72	-53.06
		38	4.41	26.16	-26.30	0.77	-0.90	-26.22	-105.16	-349.29	-204.69	-249.75	-119.97
		50	2.13	20.40	-12.16	20.23	-11.98	2.39	-46.71	-156.10	-57.99	-144.81	33.27
		122	5.80	64.56	14.30	52.73	26.13	-21.32	-379.99	-442.24	-435.79	-386.45	-18.97
22	49	116	3.37	8.41	-14.34	-14.31	8.39	0.73	-263.93	-384.34	-301.26	-347.01	-55.69
		38	3.77	20.51	-14.35	1.48	4.68	-17.36	-131.87	-359.73	-209.32	-282.28	-107.93
		50	2.11	15.94	-14.00	13.52	-11.58	8.16	-20.38	-137.73	-43.63	-114.48	46.77
		122	5.10	52.37	12.54	40.68	24.23	-18.14	-329.39	-414.13	-409.44	-334.08	-19.37
22	74	116	7.53	16.72	-33.76	-33.62	16.58	2.60	-586.28	-860.07	-655.10	-791.25	-118.77
		38	7.81	38.55	-26.98	2.68	8.89	-32.62	-302.75	-778.99	-439.94	-641.79	-215.67
		50	4.75	20.10	-32.50	15.66	-28.06	14.62	13.65	-304.39	-26.66	-264.08	105.80
		122	10.01	102.14	29.40	77.34	54.20	-34.48	-625.85	-856.32	-818.46	-663.71	-85.40
22	77	116	6.48	13.39	-23.79	-23.74	13.33	1.45	-503.14	-743.20	-560.69	-685.65	-102.48
		38	6.75	31.36	-25.36	-0.70	6.70	-28.11	-256.94	-667.73	-379.19	-545.48	-187.82
		50	3.74	26.09	-25.01	21.73	-20.64	14.29	-20.12	-242.12	-73.34	-188.89	94.78
		122	8.50	84.26	21.10	66.26	39.10	-28.51	-549.58	-704.50	-695.20	-558.88	-36.81
22	80	116	3.35	7.75	-12.60	-12.60	7.75	0.30	-266.18	-383.82	-300.20	-349.80	-53.34
		38	3.69	17.71	-14.63	-0.45	3.53	-16.05	-133.99	-356.42	-207.92	-282.49	-104.78
		50	2.13	14.35	-13.61	11.68	-10.93	8.22	-21.53	-144.82	-44.30	-122.04	47.85
		122	4.82	46.34	10.43	36.13	20.65	-16.20	-322.27	-405.45	-399.00	-328.72	-22.25
23	1	12	17.06	-5.49	-121.56	-33.91	-93.15	-49.91	-286.96	-1578.88	-301.88	-1563.96	138.04
		9	19.51	-4.33	-78.07	-22.48	-59.92	31.76	-425.76	-1994.69	-429.68	-1990.77	-78.30
		39	3.64	-7.28	-80.57	-13.28	-74.57	-20.10	-28.32	-109.91	-42.30	-95.93	30.75
		28	3.74	3.38	-74.77	2.09	-73.48	9.95	110.68	-106.25	44.93	-40.50	-99.70
23	13	12	6.88	11.59	-23.38	11.39	-23.19	-2.60	-135.45	-664.07	-141.61	-657.91	56.73
		9	8.28	14.76	-15.80	13.47	-14.51	6.15	-189.61	-861.84	-190.31	-861.14	-21.62
		39	1.93	9.33	-20.72	9.31	-20.70	-0.83	-33.64	-114.27	-35.36	-112.55	11.65
		28	1.70	8.66	-19.55	8.32	-19.21	3.10	24.01	-89.00	1.57	-66.56	-45.07
23	67	12	5.22	0.58	-57.76	-12.84	-44.34	-24.56	-54.96	-457.54	-95.25	-417.26	120.81
		9	6.17	5.99	-45.43	-10.51	-28.93	24.00	-145.12	-591.11	-148.66	-587.56	-39.60
		39	3.65	-0.45	-36.81	-1.38	-35.88	-5.75	-156.58	-280.99	-156.82	-280.75	-5.47
		28	3.65	7.15	-38.64	5.30	-36.80	9.01	-65.06	-242.09	-94.24	-212.91	65.68
23	74	12	10.02	3.72	-89.49	-16.08	-69.69	-38.12	-154.79	-892.67	-189.47	-857.99	156.15
		9	10.82	10.29	-47.30	-1.67	-35.34	23.36	-254.86	-1093.44	-260.42	-1087.88	-68.06
		39	4.69	4.39	-54.78	1.09	-51.48	-13.57	-178.58	-326.76	-178.58	-326.75	1.13
		28	4.47	15.07	-53.64	14.99	-53.56	2.34	-86.93	-262.22	-99.38	-249.76	45.03
23	77	12	8.05	2.96	-92.12	-20.09	-69.07	-40.75	-96.27	-697.73	-151.01	-642.99	172.99
		9	8.59	7.85	-53.05	-8.87	-36.34	27.17	-205.28	-846.24	-212.91	-838.61	-69.51
		39	5.13	1.82	-54.25	-1.72	-50.71	-13.64	-223.24	-387.00	-223.73	-386.50	-9.01
		28	5.05	12.56	-53.78	12.18	-53.40	4.97	-98.58	-347.83	-142.78	-303.63	95.20
23	80	12	5.64	1.39	-66.10	-15.05	-49.66	-28.97	-66.44	-484.10	-104.18	-446.36	119.75
		9	6.00	5.70	-36.17	-6.19	-24.28	18.88	-144.07	-594.64	-149.07	-589.65	-47.19
		39	3.66	0.79	-38.31	-2.52	-35.01	-10.87	-155.16	-278.81	-155.45	-278.53	-5.91
		28	3.62	8.91	-38.03	8.44	-37.57	4.65	-72.63	-247.26	-100.05	-219.83	63.54
24	7	28	8.39	33.79	-71.08	33.09	-70.37	-8.57	-251.17	-707.87	-331.85	-627.20	174.17
		39	9.24	30.36	-67.99	30.15	-67.79	-4.46	-483.52	-807.97	-488.88	-802.62	-41.34

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		40	6.23	40.89	-77.10	40.57	-76.78	-6.09	-426.76	-513.64	-513.29	-427.11	5.53
		30	4.99	41.44	-69.04	41.11	-68.71	-6.04	-274.25	-320.90	-307.32	-287.83	21.19
24	22	28	4.07	-4.92	-57.44	-5.14	-57.22	-3.39	-74.08	-251.79	-101.68	-224.18	64.37
		39	4.24	-9.33	-55.49	-12.63	-52.19	-11.90	-158.15	-276.89	-159.49	-275.55	-12.56
		40	3.08	8.81	-53.07	4.86	-49.11	-15.13	-144.73	-167.24	-165.96	-146.01	5.20
		30	2.62	8.28	-46.38	7.68	-45.78	5.67	-85.09	-117.08	-100.99	-101.18	15.99
24	54	28	3.36	3.25	-38.54	3.20	-38.49	-1.47	-85.51	-239.05	-107.78	-216.77	54.08
		39	3.63	0.84	-36.89	8.55e-03	-36.05	-5.55	-166.06	-279.14	-167.28	-277.91	-11.72
		40	2.41	9.81	-37.87	8.49	-36.55	-7.81	-130.53	-164.81	-164.34	-131.00	3.99
		30	2.00	9.04	-33.62	8.87	-33.45	2.69	-88.15	-102.69	-99.62	-91.23	5.94
24	74	28	4.16	9.83	-51.14	9.44	-50.75	-4.87	-99.79	-253.15	-103.06	-249.87	22.16
		39	4.54	8.31	-48.75	7.84	-48.28	-5.14	-188.14	-329.01	-188.15	-329.01	0.71
		40	3.48	15.34	-53.16	14.62	-52.43	-7.01	10.99	-121.75	-120.80	10.04	11.18
		30	2.78	14.31	-47.61	14.23	-47.53	-2.32	32.47	-40.83	-38.37	30.01	-13.19
24	77	28	4.48	7.65	-50.02	7.52	-49.89	-2.75	-119.87	-325.67	-151.03	-294.51	73.77
		39	4.92	4.85	-48.56	4.46	-48.16	-4.55	-235.32	-382.50	-236.91	-380.91	-15.21
		40	3.16	14.89	-51.27	14.13	-50.51	-7.05	-165.84	-232.19	-231.82	-166.21	4.92
		30	2.61	13.66	-45.32	13.64	-45.30	1.10	-109.73	-140.82	-137.18	-113.36	9.99
24	80	28	3.18	4.86	-34.26	4.84	-34.23	-1.01	-86.68	-232.07	-105.81	-212.95	49.14
		39	3.47	2.94	-32.80	2.44	-32.30	-4.17	-163.58	-276.25	-164.61	-275.22	-10.72
		40	2.20	9.77	-34.41	8.91	-33.55	-6.11	-120.47	-157.04	-156.60	-120.91	3.99
		30	1.82	8.90	-30.73	8.78	-30.61	2.15	-83.00	-94.36	-93.86	-83.50	2.32
25	1	30	5.61	-0.74	-60.34	-0.95	-60.13	-3.57	428.46	203.73	225.51	406.68	-66.49
		40	6.82	4.06	-68.19	3.07	-67.21	-8.37	498.53	196.19	199.99	494.74	33.66
		41	5.98	1.52	-71.53	0.50	-70.51	-8.57	401.57	197.36	197.69	401.23	-8.27
		32	5.06	-0.64	-60.92	-1.27	-60.29	-6.11	352.31	180.20	208.09	324.42	63.42
25	16	30	2.29	11.98	-24.96	7.90	-20.89	-11.57	202.06	83.93	106.34	179.64	-46.32
		40	2.71	11.67	-22.22	6.78	-17.33	-11.91	208.56	81.85	85.96	204.44	22.46
		41	3.02	3.68	-26.40	-0.06	-22.66	-9.92	252.90	115.62	115.63	252.89	-1.13
		32	2.83	6.98	-27.30	2.36	-22.68	-11.70	223.54	134.39	135.71	222.23	10.76
25	54	30	1.91	9.33	-30.50	9.19	-30.36	2.36	-88.97	-103.09	-98.50	-93.55	6.61
		40	2.30	10.34	-34.41	9.05	-33.11	-7.49	-132.75	-164.67	-164.39	-133.02	2.97
		41	2.06	10.77	-32.35	9.46	-31.03	-7.42	-96.53	-147.51	-145.89	-98.15	8.94
		32	1.56	9.02	-27.44	8.93	-27.35	1.82	-50.88	-99.34	-85.22	-65.00	-22.02
25	74	30	2.61	14.73	-44.61	14.60	-44.47	-2.83	27.50	-39.24	-36.49	24.75	-13.25
		40	3.34	16.16	-49.76	15.48	-49.08	-6.65	5.81	-120.73	-119.51	4.58	12.39
		41	3.38	12.64	-52.22	12.01	-51.58	-6.38	35.57	-97.28	-96.88	35.16	7.32
		32	2.64	11.68	-44.84	11.37	-44.54	-4.15	49.76	-20.41	-19.68	49.03	-7.11
25	77	30	2.53	14.14	-42.21	14.14	-42.20	0.55	-111.28	-140.64	-135.80	-116.12	10.89
		40	3.06	15.39	-47.81	14.68	-47.09	-6.67	-168.46	-231.95	-231.71	-168.70	3.91
		41	2.97	14.15	-47.81	13.43	-47.10	-6.61	-134.98	-213.61	-211.64	-136.95	12.28
		32	2.29	12.50	-40.51	12.50	-40.50	-0.55	-75.33	-137.22	-121.78	-90.77	-26.78
25	80	30	1.73	9.35	-27.59	9.26	-27.50	1.81	-84.87	-93.85	-92.78	-85.94	2.91
		40	2.10	10.29	-31.06	9.44	-30.21	-5.87	-122.85	-156.73	-156.43	-123.16	3.19
		41	1.94	9.53	-30.29	8.64	-29.40	-5.89	-82.31	-136.49	-135.00	-83.80	8.86
		32	1.46	7.96	-25.82	7.92	-25.77	1.19	-40.46	-91.61	-77.47	-54.60	-22.87
26	7	32	4.34	34.85	-61.55	34.66	-61.35	-4.35	-108.70	-284.94	-237.54	-156.10	-78.15
		41	5.96	34.68	-74.07	34.20	-73.59	-7.20	-251.69	-447.41	-443.11	-256.00	28.72
		42	6.06	3.34	-75.53	2.16	-74.34	-9.60	-313.72	-442.07	-337.97	-417.82	50.24
		34	5.55	7.73	-63.55	7.72	-63.54	0.67	-78.29	-416.89	-188.76	-306.42	-158.75
26	16	32	2.74	7.94	-24.67	3.03	-19.76	-11.66	225.07	133.89	134.95	224.01	9.76
		41	2.96	5.10	-23.59	1.28	-19.77	-9.75	256.70	114.40	114.42	256.68	1.66
		42	1.20	-6.21	-29.62	-11.37	-24.46	-9.71	54.00	20.39	42.59	31.80	-15.92
		34	1.80	-3.20	-26.20	-7.04	-22.36	-8.58	107.21	9.04	74.12	42.14	46.41
26	50	32	1.47	9.48	-24.37	9.39	-24.28	1.79	-52.13	-99.30	-85.16	-66.26	-21.61
		41	2.00	11.47	-29.26	10.15	-27.94	-7.21	-98.06	-147.19	-145.71	-99.55	8.40
		42	2.24	6.16	-27.56	4.33	-25.73	-7.64	-111.13	-162.12	-115.99	-157.26	14.98
		34	1.97	5.13	-22.58	5.00	-22.45	1.91	-40.52	-151.18	-72.68	-119.02	-50.25
26	74	32	2.57	12.57	-42.01	12.18	-41.61	-4.61	51.42	-20.92	-20.24	50.73	-7.01
		41	3.35	13.77	-49.30	13.16	-48.70	-6.15	38.31	-98.51	-97.95	37.74	8.77
		42	3.73	-2.05	-51.67	-3.38	-50.34	-8.02	-124.33	-228.91	-125.65	-227.60	11.64
		34	3.15	0.24	-42.95	0.19	-42.90	-1.50	-52.55	-174.73	-57.87	-169.42	-24.93
26	77	32	2.19	13.22	-37.53	13.20	-37.51	-0.96	-76.48	-136.69	-121.83	-91.34	-25.96
		41	2.93	15.03	-44.82	14.34	-44.13	-6.40	-135.63	-213.53	-211.71	-137.44	11.75
		42	3.84	3.14	-44.89	1.81	-43.56	-7.87	-175.73	-281.22	-181.46	-275.50	23.91
		34	3.35	4.09	-37.21	4.07	-37.19	0.95	-76.29	-249.71	-114.39	-211.60	-71.81
26	80	32	1.38	8.58	-22.72	8.55	-22.69	1.00	-41.85	-91.39	-77.38	-55.86	-22.31
		41	1.88	10.24	-27.28	9.32	-26.36	-5.81	-83.69	-136.21	-134.81	-85.08	8.45
		42	2.10	3.49	-26.71	2.04	-25.27	-6.44	-101.20	-149.28	-106.24	-144.25	14.72
		34	1.86	3.07	-22.01	2.97	-21.91	1.59	-35.02	-139.88	-65.51	-109.39	-47.62
27	1	34	3.81	-4.80	-60.36	-7.29	-57.86	-11.51	71.86	-184.93	33.76	-146.82	91.29
		42	4.43	-12.37	-66.71	-12.58	-66.50	-3.32	-9.02	-211.44	-10.86	-209.60	-19.19
		43	15.43	-22.48	-96.40	-53.20	-65.68	-36.42	-270.18	-1522.80	-274.83	-1518.15	76.20
		36	12.51	-14.72	-82.83	-39.91	-57.64	32.89	-195.07	-1221.96	-208.55	-1208.47	-116.89
27	12	34	1.78	-0.90	-24.88	-5.89	-19.89	-9.74	103.60	23.67	70.69	56.58	39.33
		42	1.15	-6.21	-25.57	-10.47	-21.31	-8.02	51.50	28.83	39.87	40.45	-11.33
		43	5.67	-9.91	-46.08	-33.82	-22.17	-17.12	-91.17	-571.81	-91.76	-571.22	16.83
		36	4.72	-17.20	-30.50	-27.48	-20.21	5.57	-58.17	-472.70	-59.66	-471.20	-24.85
27	62	34	2.07	4.97	-19.83	4.84	-19.70	-1.80	-20.71	-155.85	-62.34	-114.22	-62.39
		42	2.11	5.16	-24.01	3.06	-21.91	-7.54	-100.76	-159.91	-103.91	-156.76	13.28
		43	3.35	2.23	-31.22	-9.16	-19.84	-15.85	-68.58	-308.12	-73.23	-303.46	33.07
		36	2.92	-2.64	-22.43	-7.11	-17.96	8.27	-28.51	-280.85	-56.15	-253.21	-78.81
27	74	34	3.22	2.26	-41.63	1.60	-40.96	-5.37	-36.87	-180.53	-53.50	-163.90	-45.96
		42	3.63	-2.55	-46.94	-2.89	-46.60	-3.88	-116.62	-233.44	-118.37	-231.68	14.20
		43	8.99	-13.81	-66.01	-35.51	-44.31	-25.73	-166.35	-872.94	-172.29	-867.00	64.52
		36	7.57	-9.93	-58.27	-28.33	-39.87	23.47	-106.46	-742.16	-133.32	-715.30	-127.88
27	77	34	3.58	5.38	-35.15	5.24	-35.01	-2.35	-53.37	-269.18	-106.84	-215.70	-93.17
		42	3.82	2.58	-40.29	2.14	-39.85	-4.32	-166.08	-291.76	-170.57	-287.27	23.33
		43	6.47	-5.74	-53.43	-22.24	-36.93	-22.68	-126.74	-609.87	-134.95	-601.67	62.44
		36	5.53	-3.68	-47.58	-17.88	-33.38	20.54	-64.83	-542.36	-108.05	-499.13	-137.01
27	80	34	1.95	3.90	-19.23	3.90	-19.23	0.12	-21.67	-152.40	-61.30	-112.77	-60.08
		42	2.05	3.31	-22.82	2.39	-21.90	-4.81	-96.03	-155.74	-99.77	-152.00	14.47
		43	3.31	-1.23	-29.32	-10.77	-19.78	-13.31	-65.69	-307.96	-70.51	-303.14	33.86
		36	2.86	-1.75	-25.12	-8.82	-18.04	10.74	-29.27	-279.57	-55.84	-252.99	-77.10
28	1	38	9.56	22.89	-55.05	-14.19	-17.97	-38.92	-352.06	-871.85	-554.72	-669.19	-253.52
		97	11.07	28.64	-24.94	28.05	-24.35	-5.58	1125.85	311.58	1090.89	346.55	-165.07
		91	16.41	-48.49	-100.35	-94.27	-54.56	-16.67	1349.88	-107.89	1327.58	-85.58	178.94
		50	6.64	12.79	-9.81	3.16	-0.18	11.17	-321.23	-747.50	-581.64	-487.10	207.83
28	23	38	3.75	7.03	-42.74	-20.71	-14.99	-24.72	-64.64	-230.98	-135.92	-159.70	-82.32
		97	4.74	8.83	-24.93	8.41	-24.51	3.75	493.07	170.23	489.54	173.75	-33.56
		91	8.59	-31.18	-86.22	-65.39	-52.01	-26.69	655.40	-67.37	654.30	-66.26	28.24

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		50	2.89	7.63	-16.55	-16.31	7.39	2.39	-166.26	-290.83	-251.39	-205.70	57.94
28	71	38	3.54	9.99	-22.16	-5.66	-6.51	-16.07	-114.45	-307.49	-194.39	-227.55	-95.09
		97	3.41	14.24	-13.09	13.28	-12.13	-5.05	303.54	63.97	277.01	90.49	-75.17
		91	4.79	-20.26	-34.46	-29.19	-25.53	-6.86	392.18	-47.38	384.65	-39.84	57.06
		50	2.63	13.95	3.16	13.45	3.66	2.27	-145.73	-273.69	-244.26	-175.15	53.85
28	74	38	7.03	17.72	-33.95	-5.79	-10.44	-25.73	-292.65	-675.81	-437.86	-530.61	-185.88
		97	7.08	22.67	-18.92	21.92	-18.17	-5.51	682.86	154.46	637.26	200.06	-148.38
		91	9.59	-33.21	-55.12	-51.29	-37.05	-8.32	783.76	-125.81	756.66	-98.71	154.66
		50	4.58	19.22	-3.37	16.08	-0.24	7.81	-246.81	-537.45	-416.70	-367.56	143.23
28	77	38	6.20	14.76	-32.50	-8.24	-9.51	-23.62	-239.38	-582.23	-371.75	-449.85	-166.92
		97	6.16	21.69	-20.77	20.97	-20.04	-5.51	574.26	121.62	531.13	164.74	-132.89
		91	8.16	-35.84	-51.40	-46.58	-40.66	-7.20	683.32	-84.39	669.46	-70.52	102.24
		50	4.43	24.94	0.87	22.24	3.57	7.59	-221.81	-475.11	-415.81	-281.11	107.26
28	80	38	3.39	8.21	-18.75	-4.73	-5.81	-13.47	-114.51	-309.11	-195.02	-228.60	-95.84
		97	3.32	13.23	-11.39	12.83	-10.99	-3.13	305.09	66.00	276.73	94.36	-77.30
		91	4.65	-21.24	-30.77	-27.75	-24.27	-4.43	383.97	-51.51	376.27	-43.81	57.40
		50	2.55	13.29	1.47	12.04	2.72	3.64	-144.55	-272.78	-242.79	-174.55	54.29
29	1	9	19.66	-9.01	-101.63	-30.62	-80.02	-39.17	-375.94	-1899.37	-375.94	-1899.37	1.39
		16	12.52	0.18	-67.75	-17.37	-50.20	29.73	-214.11	-1230.41	-226.29	-1218.24	-110.57
		45	4.87	3.71	-64.06	-6.26	-54.09	-24.00	219.87	-113.39	80.65	25.83	164.36
		39	3.89	-1.16	-75.60	-2.43	-74.32	9.65	67.81	-55.95	62.08	-50.23	26.00
29	15	9	7.07	-6.23	-86.77	-41.98	-51.02	-40.02	-119.73	-561.60	-119.73	-561.60	-0.50
		16	6.57	-4.45	-120.44	-47.99	-76.90	56.16	10.97	-414.44	-50.07	-353.41	-149.13
		45	4.77	13.80	-63.38	6.15	-55.72	-23.07	-1.21	-204.09	-36.20	-169.10	-76.65
		39	4.62	-4.47	-73.88	-14.43	-63.92	24.32	-127.88	-289.92	-144.29	-273.52	-48.88
29	67	9	6.23	0.69	-44.23	-10.58	-32.95	-19.47	-141.63	-566.67	-141.67	-566.63	-3.93
		16	4.76	2.96	-60.59	-15.41	-42.23	28.81	-30.80	-427.13	-81.51	-376.42	-132.39
		45	3.32	11.57	-34.86	9.46	-32.76	-9.66	-24.76	-194.96	-54.76	-164.97	-64.85
		39	3.74	4.90	-44.53	0.34	-39.97	14.31	-143.69	-284.03	-153.82	-273.89	-36.33
29	74	9	11.03	5.43	-63.63	-7.46	-50.74	-26.91	-242.31	-1029.06	-242.47	-1028.90	-11.13
		16	7.49	5.52	-52.91	-7.52	-39.87	24.33	-96.65	-721.50	-138.62	-679.53	-156.41
		45	3.50	13.64	-42.60	10.89	-39.85	-12.12	-27.10	-171.43	-32.29	-166.24	-26.87
		39	4.61	10.09	-53.19	8.76	-51.86	9.08	-148.25	-317.35	-153.64	-311.96	-29.70
29	77	9	8.90	3.53	-67.83	-14.14	-50.16	-30.80	-197.09	-783.72	-197.60	-783.21	-17.24
		16	6.11	4.02	-62.76	-13.67	-45.07	29.47	-35.58	-576.97	-107.37	-505.18	-183.61
		45	4.50	14.36	-45.95	10.11	-41.70	-15.44	-20.25	-263.52	-68.42	-215.35	-96.94
		39	5.08	7.50	-54.68	5.52	-52.70	10.93	-201.30	-394.42	-216.39	-379.33	-51.82
29	80	9	6.23	2.55	-47.01	-10.44	-34.02	-21.80	-138.64	-553.56	-138.96	-553.24	-11.49
		16	4.34	2.54	-45.93	-9.96	-33.42	21.21	-24.81	-405.05	-75.38	-354.49	-129.11
		45	3.26	10.79	-33.43	7.10	-29.75	-12.22	-19.25	-189.74	-50.43	-158.55	-65.91
		39	3.61	4.74	-38.41	2.96	-36.64	8.57	-142.10	-283.29	-151.78	-273.61	-35.68
30	7	39	9.12	30.56	-69.38	30.52	-69.34	2.07	-502.67	-797.15	-509.63	-790.19	-44.74
		45	7.03	36.98	-50.53	36.94	-50.50	1.67	-100.90	-550.87	-173.24	-478.53	-165.28
		46	4.16	41.98	-49.38	41.97	-49.37	-0.69	-100.91	-189.14	-103.14	-186.91	13.85
		40	6.22	41.46	-75.62	41.46	-75.62	0.28	-408.66	-517.23	-517.19	-408.70	-2.03
30	22	39	4.21	-10.43	-56.89	-12.58	-54.75	-9.76	-146.85	-266.38	-147.37	-265.87	-7.79
		45	3.91	5.75	-50.66	-1.34	-43.57	-18.70	-5.29	-187.11	-38.46	-153.93	-70.22
		46	2.87	17.00	-47.38	4.51	-34.89	-25.46	-48.26	-90.77	-51.79	-87.23	-11.74
		40	2.94	8.04	-49.88	6.48	-48.31	-9.38	-140.48	-160.19	-160.19	-140.49	-0.19
30	51	39	3.59	0.63	-37.82	0.62	-37.81	0.51	-160.75	-271.15	-162.22	-269.69	-12.63
		45	2.93	6.76	-31.35	6.08	-30.67	-5.03	-33.48	-184.36	-55.42	-162.42	-53.19
		46	1.75	11.36	-27.94	9.38	-25.95	-8.61	-40.25	-65.10	-40.40	-64.95	1.93
		40	2.31	9.11	-36.46	9.11	-36.46	0.09	-125.10	-160.18	-160.17	-125.10	0.42
30	74	39	4.48	7.69	-49.36	7.63	-49.30	-1.79	-159.59	-311.19	-159.72	-311.07	-4.43
		45	3.18	11.93	-35.24	11.70	-35.02	-3.24	-34.08	-176.81	-34.14	-176.76	-2.81
		46	2.05	13.50	-34.30	13.03	-33.84	-4.68	72.46	3.72	35.53	40.64	34.28
		40	3.26	15.32	-51.44	15.30	-51.42	-1.17	18.88	-94.41	-92.83	17.29	13.29
30	77	39	4.85	4.88	-49.57	4.84	-49.53	-1.46	-224.01	-369.92	-226.39	-367.54	-18.49
		45	3.74	10.83	-37.50	10.29	-36.95	-5.12	-46.31	-245.86	-74.79	-217.38	-69.80
		46	2.17	14.65	-34.77	13.35	-33.47	-7.91	-47.80	-76.73	-48.10	-76.43	2.93
		40	3.05	14.73	-49.74	14.71	-49.72	-1.29	-158.35	-223.00	-222.96	-158.39	1.64
30	80	39	3.42	2.72	-33.39	2.71	-33.38	-0.59	-157.63	-267.63	-158.97	-266.29	-12.07
		45	2.68	7.93	-26.22	7.28	-25.57	-4.66	-36.76	-177.58	-55.04	-159.30	-47.32
		46	1.53	10.51	-24.32	8.92	-22.72	-7.28	-34.52	-59.69	-36.06	-58.14	6.04
		40	2.11	9.41	-33.16	9.39	-33.15	-0.73	-115.43	-152.00	-151.90	-115.53	1.92
31	7	40	6.15	42.05	-71.59	42.03	-71.57	1.35	-416.32	-516.00	-515.96	-416.35	1.93
		46	4.06	43.07	-44.65	43.02	-44.59	-2.24	-96.68	-193.02	-98.80	-190.90	14.12
		47	3.76	33.43	-47.81	33.42	-47.79	0.94	57.77	-174.46	-42.00	-74.68	114.96
		41	5.91	33.60	-75.89	33.58	-75.87	-1.41	-226.70	-434.53	-426.24	-234.99	40.67
31	25	40	2.45	8.71	-19.49	7.49	-18.28	5.72	213.65	121.42	123.73	211.34	14.42
		46	2.04	9.15	-13.61	6.89	-11.35	6.80	207.10	67.03	119.67	154.47	67.84
		47	2.16	4.94	-18.29	2.11	-15.47	7.59	185.16	141.98	142.91	184.22	-6.29
		41	2.99	1.67	-24.34	0.76	-23.43	4.78	259.79	157.74	157.84	259.68	3.23
31	54	40	2.21	9.35	-32.87	9.20	-32.72	-2.54	-127.91	-159.15	-158.96	-128.09	2.38
		46	1.66	12.42	-24.79	9.43	-21.81	-10.10	-40.41	-66.61	-40.41	-66.61	0.14
		47	1.39	10.36	-22.58	8.00	-20.22	-8.49	-11.48	-71.48	-34.65	-48.32	29.21
		41	1.96	9.97	-30.73	9.76	-30.52	-2.91	-91.14	-143.47	-140.60	-94.01	11.91
31	74	40	3.08	15.50	-48.17	15.47	-48.13	-1.41	12.75	-91.45	-90.42	11.72	10.31
		46	1.87	14.20	-30.91	13.84	-30.55	-4.04	68.36	3.16	35.47	36.05	32.60
		47	1.82	10.72	-32.52	10.69	-32.49	-1.16	67.13	31.23	47.36	51.00	17.86
		41	3.17	12.25	-50.73	12.22	-50.69	-1.52	43.15	-68.33	-66.94	41.76	12.38
31	77	40	2.95	14.86	-46.40	14.82	-46.36	-1.56	-161.32	-221.56	-221.46	-161.43	2.51
		46	2.07	15.21	-31.35	14.04	-30.18	-7.27	-48.17	-78.32	-48.22	-78.27	1.19
		47	1.87	12.46	-30.46	11.93	-29.93	-4.74	-9.74	-91.23	-39.25	-61.73	39.16
		41	2.85	13.66	-46.38	13.60	-46.32	-1.90	-126.46	-204.46	-200.78	-130.14	16.54
31	80	40	2.02	9.60	-29.83	9.58	-29.80	-0.93	-118.08	-151.06	-150.82	-118.31	2.80
		46	1.43	11.11	-21.05	9.57	-19.51	-6.87	-35.10	-60.90	-36.09	-59.91	4.94
		47	1.21	8.61	-20.00	7.56	-18.96	-5.37	-0.95	-63.51	-26.52	-37.94	30.76
		41	1.84	8.78	-29.01	8.73	-28.97	-1.30	-76.92	-131.61	-128.84	-79.68	11.97
32	7	41	5.83	34.69	-72.17	34.69	-72.16	-0.46	-236.51	-436.25	-428.13	-244.63	39.44
		47	3.72	35.47	-43.68	35.47	-43.68	0.13	56.20	-176.41	-38.13	-82.08	114.21
		48	4.95	11.23	-50.39	10.99	-50.15	-3.83	83.05	-333.68	-44.67	-205.95	192.13
		42	5.98	3.67	-74.83	3.61	-74.77	-2.04	-259.52	-436.47	-305.31	-390.67	77.50
32	23	41	2.18	12.67	-34.84	12.67	-34.84	-0.17	-111.45	-153.72	-151.26	-113.92	9.91
		47	1.74	16.03	-29.50	11.68	-25.15	-13.38	-27.36	-69.86	-38.43	-58.79	18.65
		48	1.85	14.58	-23.78	11.36	-20.57	-10.63	-16.17	-138.14	-48.09	-106.22	53.61
		42	2.53	13.32	-28.04	13.32	-28.04	-0.16	-119.39	-181.24	-128.27	-172.37	21.68
32	55	41	1.88	10.28	-27.56	10.26	-27.55	-0.83	-92.31	-143.58	-140.67	-95.22	11.86
		47	1.25	10.69	-19.23	9.22	-17.77	-6.46	-10.87	-70.41	-32.89	-48.39	28.75
		48	1.62	6.61	-19.21	5.15	-17.75	-5.97	1.16	-127.49	-35.48	-90.85	58.06
		42	2.20	4.50	-25.93	4.48	-25.92	-0.69	-101.49	-159.87	-110.40	-150.95	21.00

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

32	74	41	3.11	13.26	-47.69	13.22	-47.64	-1.59	44.46	-69.44	-68.73	43.75	8.97
		47	1.72	11.90	-29.71	11.89	-29.70	-0.62	65.86	33.63	47.88	51.61	16.01
		48	2.55	2.25	-33.96	2.02	-33.73	-2.87	6.32	-126.37	-0.44	-119.61	29.18
		42	3.66	-2.39	-50.58	-2.43	-50.54	-1.51	-92.02	-215.31	-95.41	-211.92	20.18
32	77	41	2.81	14.46	-43.26	14.40	-43.20	-1.95	-127.31	-205.43	-201.75	-130.99	16.55
		47	1.80	13.41	-27.54	12.96	-27.08	-4.27	-11.29	-90.55	-38.61	-63.23	37.67
		48	2.76	6.03	-29.97	5.24	-29.18	-5.26	-3.03	-204.97	-50.58	-157.43	85.68
		42	3.78	2.60	-43.79	2.54	-43.73	-1.73	-160.27	-274.02	-170.19	-264.11	32.09
32	80	41	1.78	9.41	-25.83	9.37	-25.78	-1.27	-78.43	-132.03	-129.18	-81.27	12.01
		47	1.14	9.43	-17.05	8.40	-16.01	-5.14	-2.37	-63.42	-26.18	-39.61	29.77
		48	1.52	4.66	-18.35	3.43	-17.13	-5.17	6.04	-116.77	-28.67	-82.06	55.30
		42	2.07	2.41	-25.41	2.36	-25.36	-1.19	-91.27	-146.86	-99.96	-138.17	20.19
33	1	42	4.61	-7.25	-70.42	-8.89	-68.78	-10.05	46.58	-184.05	46.50	-183.98	4.12
		48	3.19	-3.31	-47.31	-5.44	-45.18	9.44	117.66	-160.27	55.73	-98.34	-115.66
		49	9.66	1.36	-81.10	-34.03	-45.71	-40.81	-136.14	-943.42	-153.68	-925.89	117.68
		43	15.00	-37.82	-86.12	-54.29	-69.65	22.89	-244.87	-1445.20	-244.90	-1445.18	-5.19
33	25	42	1.34	-9.08	-22.80	-9.10	-22.78	0.51	82.45	58.08	82.20	58.33	-2.46
		48	1.80	-1.10	-18.39	-4.45	-15.05	6.83	129.46	12.38	81.49	60.35	-57.58
		49	3.76	-8.81	-34.71	-26.73	-16.79	-11.96	-34.80	-370.46	-35.79	-369.46	18.24
		43	5.55	-19.26	-41.20	-36.78	-23.68	8.79	-70.52	-554.31	-70.52	-554.30	0.78
33	67	42	2.15	4.06	-22.94	3.99	-22.87	-1.33	-78.61	-169.59	-97.09	-151.11	36.61
		48	1.78	5.09	-15.08	5.05	-15.04	-0.89	25.17	-130.96	-24.94	-80.86	72.89
		49	2.68	2.23	-24.54	-7.83	-14.49	-12.96	1.92	-233.21	-37.85	-193.44	88.15
		43	3.27	-6.39	-26.06	-11.25	-21.20	8.48	-64.37	-283.67	-65.22	-282.83	13.62
33	74	42	3.65	0.99	-49.57	-0.26	-48.32	-7.86	-76.54	-229.70	-90.35	-215.89	43.87
		48	2.60	3.63	-31.80	3.33	-31.50	3.24	21.95	-127.50	1.28	-106.83	51.59
		49	6.00	0.86	-59.00	-26.12	-32.02	-29.79	-54.03	-590.57	-93.14	-551.46	139.48
		43	8.79	-26.17	-57.64	-36.68	-47.13	14.84	-153.65	-822.74	-154.08	-822.31	16.97
33	77	42	3.86	5.39	-42.38	4.29	-41.28	-7.16	-136.98	-303.75	-161.76	-278.97	59.32
		48	3.08	6.33	-26.79	6.33	-26.79	-0.10	24.88	-224.22	-45.80	-153.53	112.30
		49	5.08	4.97	-48.29	-16.73	-26.58	-26.17	-11.44	-445.60	-76.27	-380.77	154.73
		43	6.33	-16.36	-46.39	-23.35	-39.40	12.69	-123.07	-564.73	-124.17	-563.63	22.01
33	80	42	2.07	4.08	-23.04	3.55	-22.51	-3.78	-77.45	-165.27	-94.98	-147.75	35.10
		48	1.64	4.75	-14.82	4.35	-14.42	-2.75	22.22	-128.86	-26.09	-80.55	70.46
		49	2.78	3.59	-26.87	-8.72	-14.56	-14.95	-1.04	-232.68	-39.59	-194.13	86.27
		43	3.23	-8.90	-23.86	-11.63	-21.13	5.78	-64.00	-284.31	-64.73	-283.57	12.71
34	5	85	54.02	-35.39	-114.12	-74.59	-74.91	-39.37	2.17	-0.89	0.66	0.62	1.53
		109	51.89	2.31	-87.10	-77.44	-7.35	27.75	13.54	3.64	4.03	13.15	1.93
		56	43.36	-38.36	-40.57	-40.16	-38.77	0.86	-13.38	-17.54	-15.49	-15.43	2.08
		73	51.64	-0.07	-88.16	-9.32	-78.90	27.01	13.75	3.69	13.38	4.06	1.90
34	14	85	10.60	6.77	-10.63	-1.75	-2.11	8.70	0.82	-1.46	-0.36	-0.28	1.14
		109	17.46	7.06	-15.48	-4.52	-3.90	11.27	10.10	2.97	3.17	9.90	1.18
		56	21.26	8.02	-7.13	-0.89	1.78	7.45	-11.27	-13.99	-12.65	-12.62	1.36
		73	18.94	6.73	-16.41	-1.41	-8.27	11.05	10.06	2.66	9.85	2.88	1.24
34	46	85	9.05	0.76	-11.31	-5.24	-5.32	6.04	0.86	-1.63	-0.38	-0.38	1.25
		109	18.16	2.90	-20.90	-12.04	-5.96	11.50	9.81	2.58	2.81	9.58	1.28
		56	20.08	4.84	-3.44	0.73	0.67	4.14	-11.45	-14.10	-12.77	-12.78	1.33
		73	18.31	3.37	-20.70	-5.55	-11.78	11.63	9.79	2.58	9.55	2.81	1.29
34	76	85	36.21	-24.30	-76.09	-50.09	-50.30	-25.90	1.59	-0.77	0.42	0.40	1.18
		109	36.18	1.47	-59.39	-52.57	-5.36	19.21	10.34	2.77	3.06	10.05	1.44
		56	31.52	-25.32	-27.24	-26.74	-25.82	0.85	-10.46	-13.56	-12.03	-11.99	1.55
		73	36.00	-0.11	-60.10	-6.66	-53.54	18.72	10.48	2.81	10.20	3.08	1.43
34	79	85	18.73	-13.17	-37.41	-25.30	-25.28	-12.12	1.37	-0.97	0.20	0.20	1.17
		109	23.43	0.26	-32.49	-28.15	-4.09	11.11	10.16	2.75	2.98	9.93	1.29
		56	25.54	-11.76	-14.47	-13.10	-13.12	1.36	-11.02	-13.72	-12.37	-12.37	1.35
		73	23.50	0.32	-32.57	-3.98	-28.26	11.10	10.14	2.73	9.91	2.97	1.29
34	80	85	8.98	-0.36	-11.74	-6.05	-6.04	5.69	0.86	-1.67	-0.41	-0.40	1.26
		109	17.93	2.52	-20.50	-12.10	-5.87	11.08	9.78	2.57	2.81	9.54	1.30
		56	19.81	4.16	-2.50	0.83	0.82	3.33	-11.48	-14.12	-12.79	-12.80	1.32
		73	17.98	2.53	-20.52	-5.77	-12.22	11.07	9.76	2.56	9.52	2.80	1.30
35	7	16	11.14	5.56	-78.00	-1.26	-71.19	-22.87	-70.44	-864.04	-203.03	-731.45	-296.04
		2	5.47	36.59	-15.07	-9.11	30.63	16.50	264.29	-178.31	219.76	-133.78	-133.14
		51	8.76	41.46	15.57	41.11	15.92	3.00	809.10	93.51	808.53	94.08	20.17
		45	7.69	39.69	-58.58	39.05	-57.94	7.92	-46.81	-667.57	-252.39	-461.98	-292.15
35	22	16	6.86	-8.20	-107.66	-45.82	-70.04	-48.24	89.41	-249.95	24.48	-185.02	-133.49
		2	2.73	37.72	-8.68	10.74	18.31	22.89	80.99	-52.46	9.58	18.95	-66.56
		51	3.74	29.83	-44.54	-6.34	-8.37	-37.17	199.95	3.48	188.20	15.23	-46.58
		45	4.35	9.47	-45.62	7.51	-43.66	-10.21	34.86	-255.95	-59.14	-161.96	-136.01
35	54	16	5.51	-2.95	-61.41	-18.62	-45.74	-25.90	-5.07	-332.04	-51.29	-285.81	-113.92
		2	2.34	25.32	-7.32	3.05	14.94	15.20	83.25	-61.95	50.47	-29.16	-60.71
		51	2.56	17.61	-14.35	3.77	-0.51	-15.83	223.46	18.60	222.77	19.28	-11.82
		45	3.18	10.22	-31.54	10.21	-31.53	-0.63	0.59	-227.45	-72.10	-154.75	-106.27
35	74	16	7.95	0.61	-61.40	-9.62	-51.17	-23.02	-112.51	-629.96	-139.78	-602.69	-115.62
		2	3.05	28.96	-9.52	-1.23	20.67	15.83	103.69	-105.08	84.47	-85.86	-60.36
		51	2.62	15.45	-2.63	9.24	3.58	-8.58	257.46	4.65	246.63	15.49	51.21
		45	3.10	14.56	-38.35	14.37	-38.15	3.19	-30.24	-163.87	-42.50	-151.61	-38.57
35	77	16	7.32	-1.78	-70.53	-16.75	-55.56	-28.37	-36.05	-492.70	-95.02	-433.73	-153.14
		2	3.20	31.68	-10.39	1.54	19.75	18.96	118.99	-92.31	81.39	-54.71	-80.81
		51	3.33	19.14	-9.87	7.53	1.75	-14.21	313.42	27.63	313.32	27.73	-5.27
		45	4.02	14.39	-39.66	14.32	-39.59	1.89	-5.98	-299.66	-98.58	-207.06	-136.45
35	80	16	5.22	-1.29	-51.46	-12.67	-40.09	-21.00	-25.21	-346.67	-66.45	-305.43	-107.50
		2	2.29	22.90	-7.13	1.62	14.15	13.64	83.92	-66.98	56.11	-39.17	-58.50
		51	2.38	14.73	-8.33	5.26	1.14	-11.34	219.84	17.61	219.74	17.71	-4.45
		45	2.88	10.38	-28.65	10.32	-28.59	1.56	-10.06	-216.11	-73.78	-152.39	-95.23
36	7	45	6.46	35.54	-56.28	35.03	-55.76	6.84	-162.97	-539.68	-255.61	-447.04	-162.23
		51	9.55	47.97	17.14	42.93	22.18	-11.41	886.75	66.16	885.81	67.10	27.76
		52	11.09	38.32	5.30	35.10	8.52	9.79	1101.21	196.86	1099.15	198.91	43.10
		46	3.64	44.44	-46.79	44.37	-46.73	-2.36	-118.40	-191.09	-147.43	-162.05	35.60
36	22	45	3.99	4.22	-55.97	-5.55	-46.20	-22.20	-6.55	-178.34	-48.06	-136.83	-73.54
		51	3.36	30.97	-19.18	9.65	2.14	-24.79	200.53	-12.27	186.16	2.10	-53.40
		52	3.10	26.98	-34.53	-0.17	-7.38	-30.55	193.43	15.68	190.99	18.12	-20.66
		46	2.71	16.71	-42.00	7.68	-32.96	-21.18	-44.09	-94.42	-57.45	-81.06	-22.22
36	54	45	2.80	5.71	-32.42	4.20	-30.91	-7.43	-38.82	-171.72	-67.20	-143.34	-54.46
		51	2.74	19.23	-2.59	10.87	5.77	-10.60	235.18	5.44	233.86	6.76	-17.34
		52	2.67	12.36	-9.94	5.00	-2.59	-10.48	259.94	39.85	259.94	39.85	-0.44
		46	1.58	11.65	-25.15	10.17	-23.67	-7.23	-47.11	-59.97	-47.20	-59.88	1.03
36	74	45	3.00	10.26	-37.26	9.96	-36.96	-3.78	-37.74	-157.10	-38.48	-156.35	9.40
		51	2.90	15.46	6.07	13.08	8.44	-4.08	268.58	-1.70	262.72	4.16	39.36
		52	2.61	7.37	-3.12	6.91	-2.67	-2.14	264.95	51.71	260.51	56.16	30.46
		46	1.92	13.96	-31.42	13.92	-31.38	-1.23	95.09	-2.51	50.06	42.52	48.65
36	77	45	3.56	9.11	-39.82	8.32	-39.03	-6.17	-58.96	-230.16	-93.29	-195.84	-68.54

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		51	3.64	19.77	2.04	13.98	7.84	-8.32	332.05	10.51	331.56	11.00	-12.59
		52	3.72	11.52	-6.15	7.64	-2.28	-7.31	377.53	62.24	377.38	62.39	6.74
		46	1.96	15.02	-31.77	14.57	-31.33	-4.53	-53.13	-70.81	-54.83	-69.10	5.22
36	80	45	2.52	6.45	-27.84	5.88	-27.27	-4.37	-47.54	-166.14	-69.86	-143.82	-46.36
		51	2.59	15.84	1.09	10.47	6.46	-7.10	232.43	4.58	231.99	5.02	-10.01
		52	2.54	8.91	-5.32	5.30	-1.71	-6.19	254.84	40.38	254.75	40.46	4.31
		46	1.37	10.42	-21.90	9.95	-21.42	-3.87	-37.84	-57.18	-42.04	-52.97	7.98
37	7	46	3.72	41.36	-44.07	40.87	-43.57	6.47	-123.54	-198.95	-144.76	-177.73	33.91
		52	11.07	42.34	10.85	40.66	12.53	-7.06	1089.18	188.22	1085.66	191.74	56.13
		53	9.38	31.55	4.58	26.84	9.30	10.24	946.70	169.14	945.98	169.86	23.69
		47	3.84	34.76	-44.76	34.65	-44.65	2.93	89.50	-191.88	-48.50	-53.89	140.66
37	19	46	2.33	12.53	-38.70	9.34	-35.50	-12.38	-38.06	-75.70	-43.94	-69.82	-13.67
		52	3.26	23.97	-20.72	7.66	-4.41	-21.51	267.25	31.79	266.74	32.31	-10.98
		53	2.80	17.19	-19.46	4.90	-7.16	-17.30	242.74	30.98	242.73	30.98	-1.00
		47	1.63	13.31	-29.26	10.81	-26.76	-10.01	-27.62	-67.18	-42.24	-52.57	19.09
37	51	46	1.45	10.09	-22.52	9.31	-21.75	-4.98	-44.99	-60.78	-45.62	-60.16	3.08
		52	2.69	13.34	-6.16	7.05	0.12	-9.11	259.85	36.84	259.85	36.84	0.26
		53	2.27	8.15	-6.19	4.51	-2.55	-6.25	226.11	31.49	225.80	31.80	7.79
		47	1.23	8.46	-19.78	8.21	-19.53	-2.64	-5.93	-70.95	-34.88	-42.00	32.31
37	74	46	1.69	12.95	-28.46	12.94	-28.45	-0.66	87.25	3.94	52.29	38.90	41.11
		52	2.56	8.92	-0.36	8.26	0.30	-2.39	256.01	44.89	251.76	49.15	29.67
		53	2.15	6.17	-0.42	6.08	-0.33	0.76	214.99	39.03	214.97	39.05	-1.88
		47	1.66	10.67	-30.75	10.34	-30.41	3.69	81.99	38.81	68.40	52.39	20.05
37	77	46	1.83	13.65	-28.82	13.26	-28.42	-4.08	-51.00	-71.40	-52.54	-69.85	5.40
		52	3.70	13.49	-3.46	9.26	0.76	-7.33	370.60	56.82	370.49	56.92	5.73
		53	3.30	8.61	-2.15	6.89	-0.43	-3.94	336.16	48.11	335.64	48.63	12.25
		47	1.83	11.65	-28.09	11.65	-28.09	-0.15	-3.60	-90.63	-39.60	-54.62	42.86
37	80	46	1.25	9.49	-18.94	9.06	-18.51	-3.48	-36.43	-58.12	-40.55	-54.01	8.51
		52	2.52	11.03	-2.89	6.75	1.39	-6.42	249.37	36.18	249.30	36.24	3.81
		53	2.09	6.17	-3.37	4.15	-1.36	-3.89	212.25	30.38	211.82	30.81	8.86
		47	1.16	7.50	-17.85	7.44	-17.79	-1.21	4.27	-64.49	-26.61	-33.61	34.20
38	7	47	4.10	35.71	-42.97	34.55	-41.81	9.49	67.03	-200.16	-56.30	-76.83	133.20
		53	9.40	32.27	14.86	32.24	14.89	-0.75	941.94	175.44	940.55	176.83	32.57
		54	6.02	28.28	12.77	19.56	21.49	7.70	595.22	40.02	594.93	40.31	12.66
		48	5.35	12.65	-52.29	12.50	-52.13	3.13	114.39	-329.05	-38.30	-176.36	210.70
38	19	47	1.54	13.89	-26.36	11.42	-23.89	-9.66	-28.24	-69.54	-43.24	-54.54	19.86
		53	2.79	19.40	-17.35	5.70	-3.65	-17.77	243.62	33.50	243.58	33.53	-2.62
		54	2.08	14.80	-11.09	5.30	-1.60	-12.48	178.84	-0.69	178.36	-0.21	9.29
		48	1.78	11.60	-21.82	10.56	-20.79	-5.79	-18.98	-135.21	-56.58	-97.61	54.38
38	51	47	1.17	9.30	-16.84	9.11	-16.65	-2.22	-7.46	-73.34	-36.26	-44.54	32.68
		53	2.25	10.14	-3.78	5.31	1.05	-6.63	226.61	33.03	226.37	33.27	6.81
		54	1.66	8.36	-0.72	4.98	2.66	-4.39	159.88	-0.90	158.17	0.81	16.48
		48	1.72	4.84	-18.31	4.81	-18.27	-0.96	3.14	-126.22	-40.27	-82.82	61.08
38	74	47	1.60	12.58	-28.13	12.09	-27.64	4.42	73.47	44.14	65.93	51.67	12.81
		53	2.15	6.88	3.59	6.73	3.73	0.68	218.86	42.02	218.82	42.06	-2.78
		54	1.90	11.31	8.00	8.66	10.66	1.32	175.90	-15.08	174.36	-13.55	-17.08
		48	2.59	2.36	-35.74	1.95	-35.34	3.90	14.11	-109.35	9.50	-104.74	23.41
38	77	47	1.79	13.08	-25.28	13.08	-25.28	0.46	-6.33	-93.18	-41.92	-57.59	42.71
		53	3.28	10.06	1.03	7.61	3.47	-4.01	338.46	50.62	338.02	51.06	11.23
		54	2.60	11.09	6.53	8.75	8.87	-2.28	251.36	-5.00	249.17	-2.81	23.61
		48	2.89	5.14	-30.49	5.11	-30.46	1.07	-0.75	-198.74	-56.99	-142.50	89.29
38	80	47	1.11	8.38	-14.94	8.35	-14.92	-0.73	2.16	-66.47	-28.04	-36.27	34.07
		53	2.07	8.03	-0.77	5.00	2.26	-4.18	212.66	31.30	212.27	31.69	8.38
		54	1.51	6.82	1.44	4.61	3.65	-2.65	147.16	-1.23	145.56	0.37	15.31
		48	1.66	3.36	-17.67	3.36	-17.67	-0.06	9.41	-114.93	-31.19	-74.33	58.31
39	1	48	3.65	-1.54	-44.51	-1.66	-44.40	2.18	153.87	-160.92	78.74	-85.79	-134.18
		54	2.54	17.33	-6.44	-2.50	13.39	8.84	2.63	-188.82	-90.63	-95.55	-95.69
		55	2.67	37.66	-15.27	4.61	17.78	-25.63	18.38	-72.84	-6.45	-48.02	40.60
		49	9.00	-25.27	-60.73	-30.75	-55.25	12.82	-136.86	-797.73	-141.51	-793.08	55.23
39	21	48	2.29	0.76	-19.62	-3.45	-15.41	8.25	174.85	5.69	114.36	66.19	-81.08
		54	1.91	15.39	-5.71	1.85	7.83	10.11	36.22	-103.05	-44.36	-22.48	-68.77
		55	0.61	8.01	-5.47	-2.44	4.98	-5.63	-4.31	-21.36	-16.13	-9.54	-7.86
		49	3.45	-17.18	-27.88	-25.82	-19.24	4.22	-21.03	-324.43	-21.04	-324.41	-2.08
39	59	48	1.99	5.56	-15.06	5.56	-15.06	0.08	38.66	-147.71	-32.00	-77.05	90.42
		54	1.49	6.51	4.88	5.28	6.12	-0.70	146.23	3.39	144.92	4.69	13.58
		55	1.25	11.67	-5.94	-0.37	6.10	-8.19	46.95	-30.85	27.22	-11.13	33.85
		49	2.59	-6.39	-19.07	-7.81	-17.66	4.00	6.34	-199.94	-30.05	-163.56	78.62
39	74	48	2.57	5.49	-31.76	5.49	-31.76	-0.13	35.92	-125.80	7.23	-97.11	61.78
		54	1.90	16.21	4.83	6.90	14.14	4.39	162.29	-23.61	158.52	-19.84	-26.19
		55	2.25	25.24	-12.54	-1.58	14.28	-17.15	51.11	-61.01	26.87	-36.77	46.16
		49	5.93	-21.69	-41.58	-23.91	-39.36	6.26	-48.97	-503.28	-77.77	-474.48	110.71
39	77	48	3.22	8.22	-27.06	8.05	-26.88	-2.49	45.16	-251.25	-59.03	-147.06	141.52
		54	2.34	12.22	7.60	7.62	12.19	0.35	231.73	-3.52	230.02	-1.80	20.03
		55	2.34	23.29	-11.07	-0.67	12.89	-15.78	75.57	-62.23	41.91	-28.57	59.20
		49	4.74	-13.58	-34.53	-15.04	-33.06	5.35	-4.51	-379.24	-63.34	-320.41	136.33
39	80	48	1.85	5.27	-14.59	5.14	-14.46	-1.61	35.83	-144.79	-32.09	-76.87	87.49
		54	1.35	7.84	3.72	4.49	7.07	-1.61	135.29	-1.17	133.98	0.14	13.31
		55	1.28	12.21	-6.78	-0.62	6.04	-8.89	42.24	-32.68	22.29	-12.73	33.12
		49	2.48	-7.49	-18.03	-7.85	-17.66	1.92	3.42	-198.93	-31.56	-163.95	76.52
40	5	73	40.96	1.27	-71.11	-7.70	-62.13	23.85	12.62	2.71	12.52	2.80	-0.95
		56	46.49	-37.79	-56.24	-48.94	-45.09	9.02	-14.52	-15.47	-14.88	-15.11	-0.46
		74	36.46	6.50	-49.22	-47.71	4.99	9.05	14.47	4.51	4.53	14.45	-0.51
		68	70.33	28.70	-117.29	-47.29	-41.30	72.94	4.25	2.75	3.07	3.94	-0.61
40	17	73	16.44	0.46	-13.80	-5.42	-7.92	7.02	9.03	1.72	8.89	1.86	-1.01
		56	20.27	0.48	-4.57	-3.67	-0.41	-1.93	-11.81	-13.37	-12.48	-12.70	-0.77
		74	14.72	5.06	-0.37	4.95	-0.26	-0.74	10.53	3.38	3.43	10.47	-0.63
		68	7.43	12.57	1.47	5.77	8.27	5.41	1.64	-0.29	0.31	1.05	-0.89
40	43	73	19.21	6.59	-17.44	-4.94	-5.92	12.01	9.21	1.88	9.06	2.03	-1.04
		56	20.07	0.73	-5.35	-3.65	-0.98	2.73	-11.80	-13.39	-12.49	-12.70	-0.79
		74	16.08	7.81	-3.69	4.78	-0.65	5.07	10.51	3.32	3.40	10.43	-0.72
		68	9.19	13.64	-1.63	5.07	6.94	7.57	1.71	-0.27	0.39	1.04	-0.94
40	76	73	28.47	0.93	-48.50	-5.54	-42.03	16.68	9.68	2.10	9.60	2.18	-0.78
		56	33.56	-25.22	-37.80	-32.91	-30.10	6.13	-11.24	-12.13	-11.61	-11.77	-0.44
		74	25.46	4.37	-32.57	-31.47	3.26	6.29	11.00	3.41	3.44	10.97	-0.46
		68	47.56	19.99	-78.28	-31.17	-27.11	49.10	3.02	1.75	2.07	2.69	-0.55
40	79	73	19.07	0.98	-26.42	-3.48	-21.95	10.12	9.68	2.27	9.55	2.40	-0.97
		56	26.34	-12.23	-19.83	-16.74	-15.32	3.74	-11.44	-12.95	-12.13	-12.26	-0.75
		74	17.78	1.85	-16.13	-15.15	0.87	4.09	10.62	3.21	3.29	10.54	-0.75
		68	25.77	11.68	-39.26	-14.98	-12.60	25.44	2.17	0.45	1.09	1.53	-0.83
40	80	73	18.71	5.40	-16.84	-5.15	-6.29	11.10	9.17	1.85	9.02	2.00	-1.04
		56	20.02	0.18	-4.58	-3.47	-0.93	2.01	-11.81	-13.39	-12.49	-12.70	-0.78

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		74	15.79	6.76	-2.88	4.65	-0.78	3.98	10.53	3.34	3.41	10.46	-0.70
		68	8.93	13.45	-1.25	5.05	7.16	7.27	1.70	-0.27	0.38	1.05	-0.92
41	1	51	2.74	16.25	-37.29	-22.36	1.33	-24.01	145.49	84.95	142.58	87.86	12.96
		57	3.12	-1.11	-53.88	-2.48	-52.51	-8.40	142.52	-36.42	0.64	105.46	-72.51
		15	12.84	-5.82	-89.23	-28.49	-66.56	-37.11	1138.26	239.82	252.41	1125.67	105.60
		2	3.40	43.84	0.54	17.81	26.57	21.21	131.25	-72.26	4.73	54.27	98.69
41	27	51	2.27	13.05	-9.59	1.92	1.54	-11.31	16.11	-199.57	-198.70	15.24	13.67
		57	4.28	2.15	-58.92	1.45	-58.22	6.47	309.83	67.13	147.71	229.24	114.30
		15	7.77	-17.95	-77.65	-29.74	-65.85	-23.77	567.66	90.09	113.39	544.36	102.89
		2	4.02	28.11	-33.88	-3.99	-1.78	30.98	128.64	-100.81	-20.75	48.59	109.36
41	59	51	2.18	9.74	-0.98	5.30	3.46	-5.28	-0.24	-205.15	-204.60	-0.79	10.59
		57	3.39	7.26	-39.83	6.84	-39.41	4.42	275.48	82.45	148.90	209.02	91.71
		15	6.48	-5.26	-50.72	-11.18	-44.80	-15.30	523.33	111.17	135.54	498.95	97.23
		2	2.86	19.43	-15.10	-1.77	6.10	16.81	102.93	-101.59	-52.81	54.15	87.16
41	74	51	2.89	15.65	-7.32	2.15	6.18	-11.30	10.34	-257.61	-244.87	-2.40	57.02
		57	4.64	11.60	-43.18	11.40	-42.97	-3.35	385.87	114.90	208.49	292.28	128.84
		15	8.33	-1.83	-62.96	-13.95	-50.85	-24.37	670.60	127.62	176.86	621.36	155.92
		2	3.23	27.67	-2.08	6.91	18.68	13.66	116.44	-145.68	-77.86	48.62	114.79
41	77	51	3.01	11.75	3.26	8.80	6.21	-4.04	-6.03	-287.69	-286.96	-6.76	14.33
		57	4.32	12.26	-46.61	11.98	-46.33	4.05	362.81	105.21	197.50	270.52	123.52
		15	8.39	-2.54	-57.10	-8.53	-51.11	-17.06	708.11	153.07	189.26	671.91	137.04
		2	3.44	22.63	-13.57	-1.37	10.43	17.11	129.32	-136.96	-81.37	73.74	108.22
41	80	51	2.11	8.87	1.69	6.19	4.36	-3.47	-2.56	-200.47	-200.22	-2.81	7.02
		57	3.10	8.41	-34.56	8.01	-34.17	4.11	258.69	87.35	145.09	200.95	80.98
		15	6.10	-1.94	-42.80	-6.08	-38.67	-12.32	510.88	115.95	139.61	487.23	93.72
		2	2.55	17.02	-10.39	-1.41	8.03	12.87	96.13	-98.26	-58.28	56.15	78.57
42	7	52	10.73	28.15	3.02	25.14	6.03	-8.15	-167.52	-1091.87	-1090.26	-169.12	38.50
		58	6.79	38.88	-57.88	37.70	-56.70	-10.63	660.21	466.51	640.65	486.07	58.37
		57	9.58	26.90	-64.63	25.76	-63.49	-10.17	928.27	345.62	594.19	679.70	288.17
		51	9.95	43.86	10.99	34.43	20.42	-14.87	-43.49	-921.05	-896.00	-68.54	146.13
42	35	52	2.81	11.69	-10.96	6.72	-5.99	-9.37	-35.86	-260.77	-260.74	-35.89	2.55
		58	2.22	9.07	-39.84	9.05	-39.83	0.80	139.18	80.76	138.35	81.59	6.89
		57	3.85	6.21e-03	-53.01	-0.01	-52.99	0.93	252.81	124.17	153.23	223.75	53.79
		51	2.59	12.45	-3.09	7.74	1.61	-7.14	24.56	-215.43	-213.28	22.41	22.62
42	67	52	2.57	7.26	-3.87	6.29	-2.90	-3.14	-42.28	-254.58	-254.53	-42.33	-3.33
		58	1.96	9.44	-28.72	9.38	-28.66	1.54	132.95	65.91	132.68	66.18	-4.26
		57	3.03	5.51	-35.17	5.50	-35.16	0.70	229.53	129.93	154.53	204.92	42.96
		51	2.43	10.12	2.89	8.45	4.56	-3.04	6.72	-220.67	-219.96	6.00	12.73
42	74	52	2.47	5.80	-9.08	0.24	-3.52	-7.20	-33.85	-255.17	-254.30	-34.73	13.89
		58	2.45	9.79	-35.45	9.59	-35.25	-3.00	193.41	109.20	193.41	109.20	-0.08
		57	4.09	7.76	-41.53	5.87	-39.65	-9.45	317.68	175.69	212.16	281.21	62.04
		51	2.90	12.13	3.49	7.84	7.79	-4.32	17.69	-265.39	-254.99	7.29	53.25
42	77	52	3.58	8.60	-2.45	8.59	-2.44	-0.37	-63.51	-361.25	-361.22	-63.54	-3.04
		58	2.67	14.36	-36.41	14.24	-36.28	2.49	174.13	78.37	174.13	78.38	-0.81
		57	3.84	10.22	-41.78	10.22	-41.78	0.28	304.84	166.79	204.72	266.91	61.62
		51	3.32	11.84	6.25	11.48	6.62	-1.38	1.72	-309.02	-308.36	1.06	14.31
42	80	52	2.43	6.12	-1.93	6.00	-1.82	-0.95	-42.11	-243.80	-243.60	-42.31	-6.43
		58	1.83	9.33	-25.56	9.20	-25.43	2.14	124.59	55.67	123.34	56.92	-9.19
		57	2.77	6.93	-30.16	6.89	-30.12	1.19	217.78	130.54	150.48	197.84	36.63
		51	2.33	9.09	4.93	8.43	5.59	-1.52	3.79	-215.60	-215.34	3.53	7.52
43	9	53	9.13	24.80	6.74	24.69	6.84	1.39	-159.56	-927.49	-926.15	-160.90	-32.05
		59	5.31	29.80	-35.61	29.76	-35.58	-1.56	493.59	183.44	419.32	257.70	-132.36
		58	5.75	35.30	-38.60	35.12	-38.42	3.59	540.56	410.58	532.61	418.53	31.14
		52	10.82	40.60	9.18	37.08	12.69	-9.91	-178.53	-1067.57	-1067.56	-178.55	3.31
43	38	53	1.87	18.38	-19.08	1.94	-2.64	18.59	72.28	-19.50	66.29	-13.51	22.67
		59	2.92	10.11	-27.23	-0.90	-16.22	17.02	-173.96	-243.96	-175.54	-242.39	10.39
		58	2.88	16.97	-20.27	6.97	-10.27	16.51	-91.34	-254.72	-141.60	-204.46	-75.40
		52	2.38	20.18	-16.73	3.75	-0.31	18.34	78.58	-60.73	31.04	-13.19	-66.05
43	67	53	2.18	5.02	-2.77	4.70	-2.45	-1.56	-34.85	-218.51	-218.48	-34.88	-2.35
		59	1.72	7.24	-24.11	6.92	-23.78	3.17	115.81	33.08	111.27	37.62	-18.84
		58	1.84	9.36	-25.57	9.28	-25.49	1.72	130.83	66.35	130.46	66.72	-4.87
		52	2.52	8.16	-1.35	6.90	-0.08	-3.23	-37.35	-249.09	-249.07	-37.37	-1.82
43	74	53	2.01	2.60	-4.87	-0.99	-1.27	-3.73	-16.22	-211.61	-211.29	-16.54	-7.90
		59	2.30	5.95	-35.12	5.72	-34.90	3.05	182.99	84.80	180.86	86.93	-14.30
		58	2.35	9.63	-32.76	9.03	-32.17	-5.00	190.59	108.73	190.50	108.82	-2.65
		52	2.35	3.37	-2.78	1.29	-0.69	-2.91	-26.74	-247.24	-245.51	-28.46	19.43
43	77	53	3.18	7.46	-1.20	6.97	-0.71	1.99	-50.78	-323.27	-323.25	-50.79	1.73
		59	2.44	11.13	-34.94	10.39	-34.20	5.79	157.83	50.17	154.42	53.58	-18.85
		58	2.55	14.28	-33.25	14.11	-33.08	2.83	171.19	78.70	171.19	78.71	-0.56
		52	3.52	9.17	0.25	9.15	0.27	-0.36	-56.65	-354.14	-354.13	-56.65	-1.24
43	80	53	2.01	4.32	-1.47	4.30	-1.44	0.39	-33.59	-204.32	-204.27	-33.64	-2.90
		59	1.61	6.67	-22.56	6.16	-22.05	3.84	104.34	21.63	99.20	26.77	-19.97
		58	1.72	9.36	-22.46	9.18	-22.28	2.41	122.51	56.46	121.14	57.84	-9.42
		52	2.38	6.84	0.81	6.63	1.01	-1.10	-36.86	-238.11	-237.98	-36.99	-5.11
44	9	54	5.39	13.63	9.58	13.62	9.59	-0.17	-52.55	-545.29	-537.95	-59.89	-59.68
		60	4.67	11.00	-33.25	10.98	-33.23	-0.92	451.93	-7.18	246.91	197.83	-228.24
		59	5.11	29.16	-32.57	28.98	-32.39	3.39	507.22	199.01	424.42	281.82	-136.62
		53	9.12	30.55	9.72	28.53	11.74	-6.16	-162.72	-920.69	-919.06	-164.35	-35.04
44	38	54	2.26	15.36	-10.96	2.46	1.94	13.16	104.48	-56.59	44.11	3.78	77.97
		60	2.73	-1.87	-30.56	-12.16	-20.27	13.76	6.56	-165.33	-100.26	-58.51	83.37
		59	2.99	12.48	-25.32	0.63	-13.47	17.53	-163.72	-252.61	-171.55	-244.79	25.19
		53	1.76	19.66	-16.47	2.34	0.85	18.05	68.50	-18.54	63.34	-13.38	20.54
44	51	54	1.60	5.92	1.74	5.32	2.34	1.46	-6.44	-150.45	-149.94	-6.95	-8.56
		60	1.86	0.80	-23.73	-0.93	-21.99	6.30	125.91	58.17	86.85	97.23	-33.47
		59	1.65	9.25	-22.20	7.52	-20.48	7.16	108.94	24.95	104.54	29.35	-18.73
		53	2.17	6.65	0.06	5.80	0.90	2.20	-37.33	-219.03	-218.98	-37.37	-2.89
44	74	54	2.13	11.11	1.65	3.32	9.44	-3.61	37.36	-178.42	-170.67	29.61	-40.15
		60	3.35	-4.22	-39.66	-4.75	-39.13	4.29	245.65	153.33	175.66	223.32	-39.53
		59	2.33	7.25	-32.37	7.20	-32.32	1.40	187.90	85.78	185.90	87.78	-14.15
		53	2.07	2.83	-0.43	-0.34	2.74	0.53	-18.15	-217.06	-217.03	-18.18	-2.29
44	77	54	2.44	8.74	6.79	7.72	7.80	0.98	2.79	-235.19	-234.65	2.25	-11.39
		60	3.08	-0.22	-37.33	-0.99	-36.56	5.29	221.42	117.85	148.63	190.63	-47.33
		59	2.45	12.63	-32.50	11.70	-31.56	6.42	161.66	52.55	159.18	55.03	-16.26
		53	3.18	8.47	2.37	7.72	3.12	2.00	-51.91	-327.16	-327.11	-51.95	3.50
44	80	54	1.43	4.28	3.05	4.17	3.16	-0.35	-1.60	-138.52	-137.98	-2.14	-8.62
		60	1.73	-0.29	-22.01	-0.87	-21.43	3.51	122.94	59.78	85.17	97.54	-30.97
		59	1.57	7.76	-19.91	7.07	-19.22	4.31	106.39	24.36	101.97	28.79	-18.52
		53	2.00	5.05	2.04	5.04	2.06	0.21	-33.58	-205.63	-205.61	-33.59	-1.55
45	1	55	3.64	38.51	-13.86	11.35	13.30	-26.17	134.31	-75.59	13.90	44.83	-103.81
		61	9.34	-35.55	-57.80	-37.35	-56.00	6.07	862.23	204.34	211.92	854.65	-70.22
		60	4.06	-10.68	-48.92	-10.84	-48.76	2.44	288.72	78.15	107.46	259.42	72.88

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		54	1.55	16.19	-11.98	-10.88	15.09	5.44	115.14	91.37	92.44	114.08	-4.91
45	30	55	0.34	4.22	-2.96	-1.56	2.81	-2.85	16.49	5.07	11.80	9.76	5.62
		61	4.48	-18.82	-35.14	-32.87	-21.09	5.65	443.71	52.36	52.81	443.26	13.27
		60	2.78	-0.40	-25.68	-9.12	-16.96	12.01	9.76	-183.82	-99.93	-74.13	95.93
		54	2.34	17.15	-9.85	1.60	5.71	13.35	115.42	-51.94	46.21	17.27	82.42
45	51	55	1.28	9.02	-4.99	-0.22	4.26	-6.64	43.59	-52.90	-28.43	19.12	-41.98
		61	3.11	-11.99	-22.94	-14.73	-20.20	4.75	266.98	42.90	60.54	249.34	-60.34
		60	2.01	2.53	-19.74	1.50	-18.72	4.67	152.27	29.61	79.68	102.20	-60.29
		54	1.40	7.35	3.39	4.78	5.95	1.89	-5.78	-136.78	-136.15	-6.42	-9.12
45	74	55	2.93	25.09	-11.85	2.47	10.77	-17.99	108.39	-88.51	-24.53	44.42	-92.21
		61	6.08	-28.35	-41.47	-28.66	-41.16	1.98	542.88	105.64	136.24	512.28	-111.55
		60	3.52	-0.83	-36.10	-0.84	-36.10	-0.43	295.65	100.50	164.46	231.68	-91.60
		54	2.12	14.96	0.34	0.76	14.55	2.42	38.94	-164.66	-156.85	31.13	-39.10
45	77	55	2.41	17.95	-10.24	-1.02	8.72	-13.22	89.47	-82.93	-40.62	47.17	-74.19
		61	5.71	-24.72	-38.05	-25.92	-36.86	3.81	509.13	90.04	118.70	480.47	-105.78
		60	3.33	2.43	-33.93	2.18	-33.68	3.00	264.84	67.18	136.21	195.81	-94.23
		54	2.14	13.55	5.53	6.59	12.49	2.71	3.89	-212.75	-212.16	3.31	-11.25
45	80	55	1.33	9.65	-6.32	-0.75	4.07	-7.61	46.50	-46.96	-22.51	22.04	-41.08
		61	3.02	-14.03	-20.61	-14.60	-20.03	1.86	267.65	44.90	61.55	250.99	-58.58
		60	1.87	1.46	-18.60	1.16	-18.31	2.40	148.73	31.31	77.93	102.10	-57.45
		54	1.24	7.05	3.82	3.86	7.00	0.38	-0.55	-125.28	-124.72	-1.11	-8.39
46	5	109	41.16	3.60	-70.27	-60.76	-5.91	24.73	12.40	2.63	2.73	12.30	-0.98
		92	70.57	28.88	-117.59	-41.01	-47.70	73.16	4.29	2.69	3.97	3.00	-0.64
		86	36.44	6.63	-48.88	4.85	-47.11	9.76	14.65	4.58	14.63	4.60	-0.49
		56	46.56	-37.85	-56.45	-46.28	-48.02	9.26	-14.49	-15.48	-15.15	-14.82	-0.47
46	17	109	16.33	3.44	-13.80	-6.78	-3.58	8.47	8.83	1.64	1.79	8.68	-1.03
		92	7.75	13.05	1.30	8.68	5.67	5.67	1.68	-0.34	1.09	0.25	-0.92
		86	15.02	6.06	0.03	0.09	6.01	0.56	10.66	3.44	10.61	3.49	-0.61
		56	20.30	-0.47	-4.13	-1.33	-3.27	-1.55	-11.78	-13.37	-12.73	-12.42	-0.78
46	56	109	18.70	5.77	-16.91	-6.25	-4.89	11.32	9.13	1.82	1.97	8.98	-1.04
		92	8.91	13.61	-1.00	7.41	5.20	7.22	1.70	-0.28	1.06	0.36	-0.93
		86	15.63	7.35	-2.37	-0.22	5.19	4.04	10.54	3.36	10.47	3.42	-0.69
		56	20.08	-0.07	-4.57	-0.95	-3.69	1.78	-11.80	-13.39	-12.70	-12.49	-0.78
46	76	109	28.60	2.47	-47.95	-41.11	-4.36	17.26	9.53	2.06	2.14	9.45	-0.80
		92	47.71	20.11	-78.47	-26.91	-31.45	49.24	3.04	1.71	2.72	2.02	-0.57
		86	25.46	4.46	-32.36	3.17	-31.08	6.76	11.12	3.46	11.10	3.49	-0.45
		56	33.60	-25.27	-37.92	-30.89	-32.30	6.29	-11.23	-12.14	-11.80	-11.57	-0.44
46	79	109	19.07	0.90	-26.30	-21.82	-3.58	10.09	9.70	2.28	2.41	9.57	-0.97
		92	25.75	11.69	-39.21	-12.53	-14.99	25.42	2.17	0.45	1.53	1.09	-0.83
		86	17.83	1.86	-16.23	0.89	-15.26	4.07	10.62	3.21	10.54	3.29	-0.75
		56	26.34	-12.24	-19.82	-15.31	-16.75	3.72	-11.43	-12.95	-12.26	-12.13	-0.76
46	80	109	18.75	5.38	-16.78	-6.16	-5.24	11.07	9.19	1.86	2.01	9.04	-1.04
		92	8.91	13.47	-1.20	7.23	5.04	7.26	1.70	-0.26	1.05	0.38	-0.92
		86	15.76	6.66	-2.87	-0.76	4.55	3.96	10.53	3.34	10.46	3.41	-0.70
		56	20.02	0.17	-4.58	-0.92	-3.48	2.00	-11.81	-13.39	-12.70	-12.50	-0.78
47	1	57	3.49	-0.90	-68.62	-11.60	-57.91	-24.71	177.95	55.99	78.45	155.50	-47.27
		63	4.38	-8.32	-69.46	-8.45	-69.32	-2.91	234.68	87.77	105.99	216.46	-48.42
		5	17.77	-18.38	-95.23	-40.45	-73.16	-34.78	1760.09	380.60	384.86	1755.83	-76.54
		15	13.34	-12.09	-62.33	-18.65	-55.77	16.92	1312.81	257.26	274.63	1295.44	134.28
47	36	57	1.50	6.64	-7.86	5.69	-6.91	-3.59	107.18	-42.87	15.47	48.85	-73.14
		63	1.75	18.35	-16.26	16.52	-14.42	-7.75	83.43	2.17	5.73	79.87	-16.62
		5	8.53	15.93	-19.81	15.90	-19.78	0.98	859.04	184.01	184.68	858.36	-21.39
		15	6.28	35.66	-2.62	29.75	3.28	-13.83	670.17	157.17	158.27	669.06	23.77
47	57	57	3.32	6.81	-33.20	5.30	-31.69	-7.63	241.63	102.07	121.35	222.36	48.15
		63	3.57	1.72	-34.02	1.55	-33.85	2.47	278.69	132.84	140.71	270.83	-32.95
		5	6.66	0.83	-41.17	-7.72	-32.62	-16.91	637.40	148.43	154.16	631.67	-52.62
		15	5.52	0.10	-38.78	-6.55	-32.13	14.64	522.51	96.46	121.91	497.06	100.98
47	74	57	4.79	8.18	-46.47	5.04	-43.33	-12.72	356.68	147.38	182.27	321.79	78.01
		63	5.17	4.84	-48.61	4.71	-48.48	-2.60	418.25	206.20	221.49	402.96	-54.86
		5	9.69	0.12	-61.94	-14.36	-47.46	-26.25	930.34	220.89	228.60	922.64	-73.54
		15	7.75	0.08	-47.31	-5.47	-41.76	15.24	739.78	135.14	176.23	698.69	152.16
47	77	57	4.46	12.59	-43.80	12.38	-43.59	-3.45	338.10	138.79	172.03	304.86	74.29
		63	4.81	3.76	-45.45	2.76	-44.45	6.95	377.09	189.42	201.80	364.71	-46.58
		5	8.72	2.32	-44.04	-4.46	-37.26	-16.38	855.57	199.38	209.60	845.35	-81.25
		15	8.04	0.45	-60.36	-10.74	-49.17	23.56	751.98	145.65	178.66	718.97	137.57
47	80	57	3.25	8.61	-32.23	8.39	-32.01	-2.96	243.07	108.85	126.01	225.91	44.82
		63	3.53	2.02	-34.05	0.41	-32.44	7.45	270.87	127.84	135.76	262.96	-32.70
		5	6.40	1.43	-32.19	-3.15	-27.61	-11.53	624.91	143.17	150.64	617.44	-59.51
		15	5.84	1.10	-46.03	-8.46	-36.47	18.95	543.18	107.80	130.24	520.73	96.27
48	7	58	6.76	36.71	-62.67	34.60	-60.56	-14.33	581.39	479.35	530.97	529.77	51.02
		64	8.42	42.62	-78.56	40.95	-76.88	-14.15	762.90	657.51	729.93	690.47	-48.86
		63	10.28	26.64	-75.10	23.18	-71.65	-18.42	961.67	563.21	595.74	929.14	-109.10
		57	9.50	30.53	-58.58	28.94	-56.99	-11.78	869.03	305.89	448.38	726.55	244.82
48	29	58	2.31	9.05	-40.96	4.68	-36.58	-14.13	137.76	97.57	137.68	97.66	1.84
		64	2.46	6.00	-45.55	5.97	-45.51	1.34	147.02	95.31	141.38	100.95	-16.11
		63	4.08	-9.14	-48.26	-9.26	-48.14	-2.16	292.92	140.05	149.54	283.42	-36.90
		57	3.70	-1.04	-44.10	-2.45	-42.69	-7.67	249.18	112.91	127.86	234.23	42.59
48	61	58	1.87	9.17	-29.79	8.62	-29.24	-4.60	126.64	73.13	126.46	73.31	-3.09
		64	2.00	7.90	-35.61	7.72	-35.43	2.78	138.36	80.86	136.33	82.90	-10.62
		63	3.52	0.96	-34.59	0.85	-34.47	2.01	273.92	142.44	149.25	267.10	-29.15
		57	3.11	5.24	-31.76	5.22	-31.73	-0.87	237.46	121.09	133.42	225.13	35.82
48	74	58	2.61	10.78	-40.94	9.06	-39.22	-9.28	199.06	118.47	198.96	118.57	-2.91
		64	3.21	13.42	-50.59	12.79	-49.96	-6.33	227.27	119.96	219.77	127.46	-27.36
		63	4.99	5.18	-49.25	3.80	-47.87	-8.57	407.37	218.22	232.21	393.38	-49.50
		57	4.23	8.71	-39.30	7.55	-38.14	-7.36	333.99	174.91	193.86	315.04	51.54
48	77	58	2.63	14.26	-38.79	14.20	-38.73	-1.79	170.47	88.02	170.47	88.02	0.51
		64	2.96	13.32	-45.82	13.29	-45.79	1.33	206.00	104.86	202.76	108.10	-17.81
		63	4.56	6.32	-42.41	6.28	-42.37	1.29	366.71	203.16	213.05	356.82	-38.98
		57	4.03	10.37	-39.82	10.35	-39.80	1.02	316.76	161.72	180.83	297.66	50.96
48	80	58	1.80	9.10	-26.91	8.97	-26.78	-2.17	120.69	62.98	119.91	63.76	-6.67
		64	1.90	7.99	-32.48	7.77	-32.26	2.98	127.52	69.66	125.85	71.33	-9.70
		63	3.32	3.54	-30.57	3.31	-30.33	2.82	264.86	137.33	143.56	258.63	-27.50
		57	2.91	6.89	-28.25	6.88	-28.24	0.66	229.48	122.90	132.14	220.25	29.98
49	7	59	5.76	29.53	-61.56	28.52	-60.55	-9.54	541.89	338.76	495.01	385.64	-85.59
		65	7.56	36.58	-78.64	35.18	-77.24	-12.65	699.21	468.08	699.14	468.16	4.17
		64	8.26	41.97	-74.51	40.27	-72.81	-13.95	765.52	648.38	726.98	686.92	-55.04
		58	6.61	39.22	-58.01	37.00	-55.79	-14.53	583.05	477.42	530.52	529.94	52.82
49	32	59	2.59	-2.62	-15.68	-2.71	-15.58	1.10	-85.45	-239.98	-87.30	-238.12	16.82
		65	3.64	1.90	-24.91	-1.11	-21.90	-8.46	-157.01	-329.06	-162.23	-323.85	-29.49
		64	2.79	9.30	-17.01	6.41	-14.12	-8.23	-139.38	-262.64	-139.74	-262.28	-6.73
		58	2.31	4.60	-7.54	4.53	-7.47	-0.94	-51.11	-229.95	-80.05	-201.02	-65.86

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

49	73	59	1.86	7.52	-25.70	7.04	-25.21	-3.99	121.10	41.74	119.17	43.67	-12.22
		65	2.14	7.38	-32.19	7.36	-32.17	0.98	126.15	35.43	126.10	35.48	-2.09
		64	1.88	8.07	-32.21	7.96	-32.10	2.11	137.23	82.83	134.39	85.67	-12.09
		58	1.80	9.86	-26.58	9.29	-26.01	-4.51	127.20	75.52	127.12	75.60	-2.05
49	74	59	2.66	7.15	-39.74	6.66	-39.26	-4.74	203.12	92.08	202.14	93.07	-10.42
		65	3.41	10.71	-50.98	9.86	-50.13	-7.19	217.42	70.37	216.57	71.22	-11.14
		64	3.09	13.43	-47.51	12.58	-46.67	-7.12	225.19	123.02	216.70	131.51	-28.21
		58	2.54	11.61	-37.23	10.29	-35.91	-7.90	199.06	119.85	199.06	119.85	-0.39
49	77	59	2.61	10.98	-37.25	10.98	-37.25	0.10	167.12	59.21	165.88	60.46	-11.52
		65	3.21	11.20	-45.98	11.18	-45.97	-0.85	200.94	58.23	200.40	58.78	-8.81
		64	2.85	13.81	-42.44	13.79	-42.43	0.94	203.89	107.79	200.18	111.50	-18.51
		58	2.55	14.84	-35.63	14.80	-35.59	-1.34	170.15	90.12	170.11	90.17	1.91
49	80	59	1.76	6.57	-23.99	6.51	-23.93	-1.32	110.53	28.44	108.40	30.57	-13.05
		65	2.04	6.38	-30.57	6.33	-30.52	1.34	113.10	21.77	113.06	21.82	-2.00
		64	1.78	8.41	-29.16	8.22	-28.97	2.68	125.99	72.53	123.99	74.53	-10.15
		58	1.72	9.65	-23.74	9.54	-23.63	-1.86	120.00	65.42	119.48	65.94	-5.30
50	7	60	5.96	3.88	-59.65	2.82	-58.60	-8.12	557.27	242.89	369.03	431.14	-154.09
		66	6.89	8.96	-84.28	8.32	-83.64	-7.71	628.64	387.23	595.30	420.57	83.29
		65	7.47	37.47	-74.42	35.94	-72.89	-12.99	691.87	469.01	691.87	469.01	-0.42
		59	5.76	31.65	-57.89	30.72	-56.96	-9.09	542.54	348.22	496.55	394.21	-82.59
50	32	60	1.92	-12.76	-19.29	-12.82	-19.23	0.62	72.12	-122.12	-10.02	-39.98	95.96
		66	2.25	-10.69	-32.81	-13.74	-29.75	-7.63	-9.98	-119.90	-27.15	-102.73	-39.90
		65	3.59	3.29	-22.25	-0.08	-18.88	-8.64	-160.50	-335.80	-165.08	-331.21	-27.97
		59	2.55	-1.09	-13.02	-1.36	-12.75	1.76	-82.58	-243.97	-84.45	-242.10	17.27
50	69	60	1.74	0.97	-21.92	0.34	-21.29	-3.75	126.49	100.43	106.54	120.38	-11.04
		66	1.97	0.96	-31.33	0.91	-31.29	1.21	150.76	98.98	145.36	104.39	15.83
		65	2.05	7.87	-28.98	7.85	-28.95	0.92	123.60	33.78	123.50	33.88	-2.96
		59	1.81	8.38	-22.75	7.95	-22.32	-3.62	122.74	43.60	121.34	45.00	-10.44
50	74	60	3.40	-4.89	-39.34	-5.23	-38.99	-3.42	247.44	193.71	194.96	246.18	-8.11
		66	3.81	-3.14	-56.55	-3.79	-55.90	-5.86	274.17	197.25	263.27	208.15	26.82
		65	3.36	11.86	-47.86	10.77	-46.77	-8.01	213.65	65.24	212.53	66.35	-12.80
		59	2.66	8.23	-36.98	7.96	-36.71	-3.48	205.91	91.75	205.38	92.28	-7.74
50	77	60	2.98	-1.70	-35.46	-1.72	-35.45	-0.58	213.87	156.96	160.83	210.00	-14.33
		66	3.40	-1.67	-49.91	-1.67	-49.91	-0.07	249.36	189.77	243.89	195.24	17.21
		65	3.14	12.12	-42.74	12.09	-42.71	-1.17	197.04	54.02	196.32	54.74	-10.18
		59	2.61	12.09	-34.63	12.09	-34.63	0.48	170.28	59.84	169.36	60.76	-10.03
50	80	60	1.62	-1.10	-21.04	-1.23	-20.91	-1.60	113.53	91.51	97.27	107.78	-9.68
		66	1.86	-1.17	-31.28	-1.24	-31.20	1.50	136.45	87.23	132.40	91.28	13.52
		65	1.95	7.10	-27.34	7.06	-27.30	1.16	110.52	20.03	110.42	20.12	-2.92
		59	1.71	7.40	-21.14	7.36	-21.10	-1.12	111.99	30.21	110.35	31.85	-11.45
51	1	61	10.19	0.24	-77.65	-39.28	-38.12	-38.94	1029.21	123.11	136.48	1015.84	-109.26
		67	15.32	-64.73	-109.37	-73.67	-100.43	17.87	1460.91	523.50	592.09	1392.31	244.12
		66	3.49	-6.32	-76.50	-9.41	-73.42	-14.38	210.28	64.22	208.24	66.26	17.14
		60	5.16	-18.36	-52.95	-19.33	-51.97	5.73	433.15	98.66	173.74	358.08	139.55
51	28	61	4.78	-4.98	-36.84	-27.91	-13.92	-14.31	493.94	55.22	55.31	493.85	-6.28
		67	7.45	-40.90	-51.63	-51.59	-40.93	-0.64	722.17	263.65	278.25	707.57	80.49
		66	2.86	-7.52	-30.01	-10.28	-27.25	-7.38	-4.04	-192.95	-8.58	-188.41	-28.96
		60	2.15	-12.63	-18.22	-14.36	-16.49	2.59	101.16	-121.22	-6.36	-13.70	111.13
51	44	61	3.22	2.62	-29.07	-15.36	-11.08	-15.70	293.14	13.58	28.08	278.64	-62.00
		67	4.77	-20.32	-39.26	-24.25	-35.33	7.68	448.70	175.37	212.95	411.12	94.13
		66	1.78	0.46	-27.75	0.28	-27.57	-2.25	143.79	37.41	136.35	44.85	27.13
		60	1.83	-2.28	-18.36	-2.70	-17.94	-2.58	145.30	93.04	93.79	144.55	-6.19
51	74	61	6.45	3.33	-56.12	-28.86	-23.92	-29.62	622.41	49.95	78.22	594.14	-124.03
		67	9.18	-41.53	-80.48	-50.70	-71.31	16.53	857.29	303.59	386.08	774.81	197.15
		66	3.37	2.01	-54.57	0.71	-53.27	-8.47	285.82	112.67	269.22	129.27	50.99
		60	3.83	-7.68	-37.18	-7.74	-37.12	1.38	305.43	183.47	183.82	305.08	-6.49
51	77	61	5.63	-0.86	-45.98	-25.39	-21.46	-22.48	553.70	31.13	56.09	528.74	-111.45
		67	8.23	-30.17	-71.48	-41.13	-60.52	18.23	782.14	310.20	369.16	723.18	156.04
		66	2.88	1.37	-47.09	1.30	-47.03	-1.80	256.57	114.87	245.72	125.72	37.68
		60	3.41	-3.29	-33.51	-3.50	-33.30	2.53	268.67	152.45	154.95	266.17	-16.85
51	80	61	3.11	1.35	-25.40	-13.82	-10.22	-13.26	293.14	14.88	29.91	278.12	-62.88
		67	4.68	-17.40	-43.15	-23.70	-36.84	11.07	437.29	170.90	206.98	401.21	91.16
		66	1.80	0.86	-28.15	0.84	-28.13	0.78	141.10	42.39	133.84	49.65	25.76
		60	1.83	-2.34	-18.41	-2.34	-18.41	-0.03	144.26	92.06	93.88	142.44	-9.60
52	6	56	38.97	-42.03	-43.46	-42.98	-42.51	-0.68	-9.70	-13.45	-11.60	-11.55	1.87
		86	38.95	6.40	-57.99	4.95	-56.54	9.55	11.82	3.29	11.50	3.61	1.63
		80	57.17	-15.47	-114.20	-64.78	-64.89	-49.37	2.53	0.42	1.51	1.45	1.06
		74	39.22	6.24	-58.90	-57.67	5.01	8.86	11.64	3.16	3.49	11.30	1.66
52	14	56	20.68	7.46	-5.67	-0.96	2.75	6.30	-10.97	-14.04	-12.61	-12.40	1.53
		86	19.26	6.45	-20.31	-7.50	-6.36	13.36	10.86	3.11	10.69	3.28	1.14
		80	7.15	5.39	-4.74	1.25	-0.60	4.98	0.99	-1.14	0.07	-0.21	1.05
		74	20.57	13.11	-15.93	-2.07	-0.75	14.50	9.85	2.40	2.65	9.59	1.36
52	46	56	20.65	2.73	-4.06	-0.76	-0.58	3.40	-11.05	-14.31	-12.68	-12.68	1.63
		86	15.97	5.05	-6.73	-0.85	-0.83	5.89	10.51	2.77	10.25	3.03	1.39
		80	6.96	2.64	-6.04	-1.69	-1.70	4.34	1.09	-1.32	-0.12	-0.11	1.20
		74	16.17	5.85	-6.40	-0.12	-0.43	6.12	10.50	2.78	3.04	10.24	1.40
52	76	56	32.71	-28.21	-29.29	-28.91	-28.59	0.52	-10.12	-13.77	-11.96	-11.93	1.83
		86	29.97	4.74	-39.34	3.12	-37.72	8.30	11.44	3.13	11.13	3.44	1.57
		80	38.03	-12.58	-75.24	-43.86	-43.95	-31.33	2.05	-0.17	0.96	0.92	1.11
		74	30.07	4.60	-39.86	-38.42	3.17	7.85	11.32	3.04	3.36	11.00	1.59
52	79	56	26.18	-13.44	-15.53	-14.49	-14.48	1.04	-10.77	-13.86	-12.31	-12.31	1.55
		86	20.79	2.23	-20.52	1.03	-19.32	5.08	10.74	2.90	10.49	3.15	1.37
		80	19.62	-6.61	-36.52	-21.55	-21.58	-14.95	1.63	-0.61	0.51	0.51	1.12
		74	20.76	2.26	-20.40	-19.18	1.04	5.12	10.74	2.90	3.15	10.49	1.37
52	80	56	20.46	1.72	-3.22	-0.75	-0.74	2.47	-11.05	-14.35	-12.70	-12.70	1.65
		86	15.60	4.53	-4.97	-0.43	-0.02	4.74	10.55	2.79	10.29	3.05	1.41
		80	6.72	2.27	-5.77	-1.74	-1.77	4.02	1.11	-1.32	-0.11	-0.11	1.22
		74	15.60	4.64	-4.94	0.12	-0.42	4.78	10.55	2.78	3.05	10.28	1.41
53	1	63	4.44	-4.12	-85.98	-13.70	-76.39	-26.31	192.25	17.87	36.43	173.70	-53.78
		69	2.89	0.27	-54.46	-1.83	-52.36	10.51	72.30	-60.86	-48.43	59.86	38.74
		26	12.72	-7.32	-99.90	-36.66	-70.56	-43.07	1205.69	201.00	227.44	1179.24	-160.84
		5	17.46	-24.55	-72.27	-31.24	-65.58	16.57	1731.15	354.01	354.62	1730.54	-28.97
53	32	63	1.71	11.85	-22.55	7.23	-17.94	-11.73	56.04	-19.02	-18.78	55.81	-4.18
		69	2.61	15.81	-15.82	12.17	-12.18	-10.09	77.85	-115.73	-48.73	10.86	92.09
		26	6.76	8.94	-24.47	7.67	-23.20	-6.39	655.71	133.89	135.93	653.67	-32.57
		5	8.30	28.79	-8.22	26.06	-5.48	-9.68	879.12	195.72	195.73	879.11	2.60
53	69	63	3.65	2.91	-42.34	0.39	-39.82	-10.37	287.44	117.50	141.14	263.79	-58.82
		69	3.21	8.31	-34.46	5.47	-31.62	10.64	167.76	-14.98	19.14	133.63	-71.21
		26	5.21	-0.32	-53.78	-12.97	-41.13	-22.72	468.08	38.39	83.15	423.33	-131.25
		5	6.59	-6.57e-03	-43.29	-11.56	-31.74	19.14	607.36	144.29	145.48	606.17	-23.46
53	74	63	5.20	7.94	-61.99	0.70	-54.75	-21.30	426.71	180.76	218.80	388.67	-88.93

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		69	4.25	13.34	-40.23	13.15	-40.05	3.10	272.12	-10.52	47.50	214.10	-114.16
		26	7.73	0.57	-78.41	-21.33	-56.51	-35.36	719.65	74.02	138.31	655.36	-193.32
		5	9.47	-3.49	-45.42	-8.10	-40.81	13.12	909.97	224.81	226.26	908.51	-31.50
53	77	63	4.69	8.05	-49.23	5.84	-47.03	-11.02	384.56	165.59	197.58	352.57	-77.34
		69	3.89	10.44	-36.14	8.89	-34.59	8.36	234.30	-20.43	33.03	180.84	-103.74
		26	6.56	1.53	-54.54	-10.24	-42.77	-22.83	616.43	53.14	113.61	555.96	-174.37
		5	8.68	1.09	-47.80	-7.91	-38.81	18.94	815.32	199.42	201.89	812.85	-38.94
53	80	63	3.43	4.47	-36.73	2.81	-35.06	-8.12	275.59	114.44	135.61	254.42	-54.43
		69	2.89	7.99	-29.63	5.78	-27.41	8.86	156.72	-11.54	18.04	127.14	-64.05
		26	4.97	1.01	-43.49	-7.53	-34.95	-17.52	453.58	42.20	83.15	412.62	-123.17
		5	6.37	2.87	-36.58	-6.01	-27.70	16.47	597.58	144.90	146.29	596.19	-25.06
54	7	64	8.29	42.73	-80.05	38.95	-76.27	-21.21	797.87	633.27	760.39	670.75	-69.02
		70	5.27	45.38	-50.06	44.08	-48.76	-11.06	387.92	168.25	204.24	351.93	-81.31
		69	8.57	34.46	-63.01	31.75	-60.31	-16.01	768.78	59.47	243.46	584.79	-310.88
		63	10.24	33.25	-77.41	27.98	-72.14	-23.57	967.96	609.37	649.72	927.61	-113.31
54	29	64	2.37	5.79	-45.69	5.41	-45.31	-4.43	144.16	86.65	136.30	94.50	-19.75
		70	2.14	8.38	-36.46	6.24	-34.32	9.56	38.17	-20.94	-17.51	34.74	-13.82
		69	3.44	-0.26	-43.70	-0.70	-43.26	4.34	184.30	-1.83	20.40	162.08	-60.36
		63	4.06	-6.25	-49.82	-6.72	-49.35	-4.50	284.57	138.07	147.24	275.40	-35.49
54	61	64	1.99	7.66	-35.03	7.48	-34.85	-2.80	131.71	73.94	128.81	76.83	-12.60
		70	1.51	6.40	-25.90	5.74	-25.25	4.57	22.16	-17.60	-17.23	21.79	-3.85
		69	2.69	4.13	-29.40	3.86	-29.13	2.98	159.33	7.73	23.61	143.45	-46.42
		63	3.42	1.91	-34.91	1.85	-34.86	-1.42	265.12	137.46	145.84	256.74	-31.62
54	74	64	3.26	13.88	-51.65	11.44	-49.21	-12.41	217.69	109.75	208.02	119.41	-30.81
		70	2.01	11.22	-32.83	10.78	-32.39	-4.37	42.49	-20.15	-15.50	37.84	-16.42
		69	3.72	7.68	-39.81	6.93	-39.06	-5.94	254.61	23.01	52.10	225.52	-76.76
		63	4.91	8.67	-50.17	6.40	-47.89	-11.34	398.78	210.87	228.35	381.29	-54.59
54	77	64	2.91	13.44	-44.93	13.08	-44.57	-4.56	193.45	95.57	188.66	100.36	-21.12
		70	1.77	9.57	-28.38	9.55	-28.36	0.84	32.47	-20.70	-17.30	29.07	-13.02
		69	3.30	7.83	-31.92	7.82	-31.91	0.62	217.17	12.08	37.76	191.49	-67.88
		63	4.42	7.03	-42.51	6.92	-42.40	-2.34	355.29	191.43	204.67	342.05	-44.65
54	80	64	1.87	7.81	-31.74	7.64	-31.58	-2.56	119.75	63.32	117.50	65.57	-11.03
		70	1.32	5.64	-22.70	5.33	-22.39	2.95	14.52	-22.20	-22.19	14.51	0.64
		69	2.44	5.05	-25.06	4.88	-24.89	2.30	148.93	9.38	21.60	136.72	-39.44
		63	3.21	3.97	-30.50	3.95	-30.47	-0.91	255.86	131.93	139.87	247.92	-30.34
55	7	65	7.67	37.73	-78.05	34.25	-74.56	-19.77	703.63	445.67	703.59	445.70	3.03
		71	3.98	34.13	-38.60	31.71	-36.19	-13.03	239.40	68.54	119.73	188.21	78.26
		70	5.14	43.97	-45.81	42.86	-44.69	-9.94	389.92	165.42	199.73	355.61	-80.79
		64	8.17	45.12	-75.40	41.17	-71.46	-21.44	789.57	645.71	759.05	676.23	-58.81
55	32	65	3.74	5.61	-28.71	-1.98	-21.12	-14.25	-203.49	-331.71	-211.61	-323.60	-31.22
		71	3.01	9.67	-24.41	-3.07	-11.67	-16.49	-204.50	-265.77	-248.95	-221.31	-27.34
		70	2.78	12.15	-19.20	3.06	-10.11	-14.22	-118.92	-261.54	-189.08	-191.38	71.30
		64	2.85	12.80	-19.86	6.53	-13.58	-12.86	-175.81	-264.06	-176.29	-263.57	-6.54
55	57	65	2.08	7.61	-31.74	6.18	-30.32	-7.35	107.91	19.84	107.66	20.10	-4.72
		71	1.10	4.17	-19.61	3.87	-19.31	-2.65	-11.85	-44.87	-44.15	-12.57	4.82
		70	1.34	6.42	-21.72	6.42	-21.72	-0.10	19.93	-19.38	-19.38	19.92	0.26
		64	1.92	9.47	-30.63	8.56	-29.72	-5.98	125.93	68.96	122.22	72.67	-14.05
55	74	65	3.34	11.99	-51.15	9.01	-48.17	-13.39	198.48	61.05	196.80	62.73	-15.09
		71	1.57	7.34	-27.25	4.94	-24.85	-8.80	0.62	-52.48	-52.22	0.35	-3.74
		70	1.94	10.90	-30.26	10.20	-29.56	-5.32	47.74	-18.31	-14.49	43.92	-15.42
		64	3.14	15.05	-47.75	12.79	-45.49	-11.69	215.53	114.19	205.29	124.43	-30.54
55	77	65	3.08	11.55	-45.16	10.76	-44.38	-6.63	180.93	50.14	179.74	51.33	-12.39
		71	1.43	6.65	-23.82	6.06	-23.23	-4.20	2.56	-44.94	-44.77	2.38	-2.90
		70	1.69	9.89	-25.32	9.89	-25.32	-0.02	36.24	-18.70	-16.00	33.53	-11.88
		64	2.79	14.06	-41.38	13.75	-41.07	-4.16	191.16	98.91	185.89	104.18	-21.42
55	80	65	1.96	6.51	-30.07	6.07	-29.63	-3.99	100.48	16.88	100.32	17.04	-3.66
		71	1.00	2.67	-18.08	2.66	-18.07	-0.55	-10.35	-44.82	-43.78	-11.39	5.90
		70	1.23	5.92	-19.54	5.72	-19.34	2.25	18.68	-21.32	-21.21	18.57	2.06
		64	1.75	8.39	-28.27	8.26	-28.14	-2.21	118.04	66.53	115.46	69.11	-11.23
56	7	66	6.94	13.47	-88.17	7.12	-81.82	-24.61	610.74	340.39	580.83	370.30	84.80
		72	4.14	13.46	-24.35	6.67	-17.56	-14.51	248.65	-91.72	48.33	108.61	167.50
		71	3.97	33.71	-35.64	31.35	-33.27	-12.60	247.71	74.99	117.40	205.30	74.34
		65	7.66	40.58	-73.28	36.88	-69.59	-20.17	701.53	456.72	701.51	456.75	2.46
56	32	66	2.92	-4.23	-39.39	-15.43	-28.18	-16.38	-48.56	-168.16	-95.63	-121.08	-58.43
		72	3.96	5.68	-24.66	-11.65	-7.34	-15.02	-49.46	-327.78	-262.77	-114.47	-117.76
		71	2.92	11.25	-23.47	-3.02	-9.20	-17.08	-200.06	-257.26	-242.42	-214.90	-25.07
		65	3.71	7.71	-25.25	0.31	-17.85	-13.75	-202.98	-340.03	-215.67	-327.34	-39.72
56	57	66	1.91	1.30	-33.34	-1.49	-30.55	-9.42	125.38	79.99	124.39	80.98	6.63
		72	1.07	0.10	-14.43	-1.32	-13.01	-4.31	17.91	-54.26	-54.12	17.77	3.18
		71	1.04	4.32	-17.18	3.87	-16.74	-3.06	-7.79	-42.98	-42.09	-8.68	5.54
		65	2.01	9.07	-28.07	7.81	-26.81	-6.74	106.48	19.65	105.93	20.20	-6.87
56	74	66	3.70	0.88	-60.19	-5.23	-54.07	-18.33	235.58	173.44	232.22	176.81	14.06
		72	1.42	2.03	-21.01	-6.40	-12.58	-11.10	39.79	-68.95	-68.70	39.55	5.14
		71	1.56	7.75	-25.94	4.64	-22.83	-9.74	8.06	-50.07	-49.74	7.73	-4.37
		65	3.32	14.04	-47.25	11.19	-44.40	-12.90	197.66	58.91	195.05	61.53	-18.87
56	77	66	3.24	-0.30	-51.49	-2.61	-49.18	-10.62	215.02	169.47	214.72	169.77	3.68
		72	1.57	-0.02	-18.21	-2.75	-15.48	-6.49	60.49	-60.12	-60.06	60.43	2.75
		71	1.39	7.14	-21.81	6.22	-20.89	-5.08	8.12	-41.77	-41.59	7.94	-3.00
		65	3.04	13.40	-41.53	12.66	-40.79	-6.35	179.39	48.44	177.46	50.37	-15.78
56	80	66	1.81	-0.35	-32.35	-1.80	-30.89	-6.66	116.14	75.95	115.40	76.69	5.39
		72	0.97	-2.03	-13.05	-2.71	-12.38	-2.64	18.21	-53.74	-53.60	18.07	3.14
		71	0.94	3.09	-15.50	3.01	-15.43	-1.19	-6.37	-43.02	-41.83	-7.56	6.50
		65	1.88	7.80	-26.59	7.38	-26.17	-3.78	99.14	16.82	98.72	17.24	-5.87
57	7	67	12.44	-46.50	-162.95	-85.56	-123.89	-54.98	808.53	338.51	585.70	561.34	234.69
		62	6.39	56.20	-14.71	-8.47	49.96	20.08	207.87	-348.97	-77.35	-63.76	278.33
		72	5.02	9.71	-40.88	-11.81	-19.36	-25.01	302.14	-52.28	62.91	186.94	166.01
		66	6.67	34.04	-79.12	30.42	-75.50	-19.93	600.58	316.75	579.15	338.19	74.99
57	32	67	6.73	-22.20	-82.65	-66.32	-38.52	-26.84	582.31	273.44	273.92	581.83	12.14
		62	4.20	17.04	-16.90	-14.24	14.38	9.12	-46.69	-384.54	-375.32	-55.91	-55.06
		72	4.35	8.08	-34.68	-20.86	-5.74	-20.00	20.77	-285.16	-234.17	-30.21	-114.01
		66	3.77	4.44	-33.10	-2.73	-25.93	-14.75	-42.26	-269.79	-119.41	-192.64	-107.71
57	50	67	4.54	-21.46	-55.58	-33.62	-43.41	-16.34	318.53	185.36	205.38	298.51	47.59
		62	2.26	14.17	-14.33	-9.25	9.08	10.91	24.90	-124.10	-109.67	10.46	44.08
		72	1.07	-4.51	-15.46	-9.33	-10.65	-5.44	54.15	-44.55	-44.34	53.95	4.50
		66	1.68	6.26	-27.83	6.07	-27.65	-2.51	103.97	45.94	102.65	47.26	-8.67
57	74	67	9.23	-31.86	-114.58	-64.99	-81.45	-40.53	635.77	332.65	398.06	570.36	124.69
		62	3.80	37.07	-13.13	-9.29	33.23	13.34	37.78	-220.79	-156.88	-26.13	111.54
		72	2.04	2.78	-36.08	-19.77	-13.53	-19.18	107.15	-53.85	-53.55	106.86	6.85
		66	3.31	15.16	-53.03	11.81	-49.69	-14.72	229.32	130.46	228.60	131.18	-8.42
57	77	67	8.06	-31.42	-92.62	-54.28	-69.75	-29.61	593.03	352.01	383.82	561.22	81.57
		62	3.81	24.55	-18.23	-11.72	18.04	15.36	79.85	-198.01	-165.26	47.09	89.60

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		72	2.04	-0.86	-27.37	-12.26	-15.97	-13.12	123.88	-43.48	-43.37	123.76	4.45
		66	2.89	11.85	-45.89	10.97	-45.01	-7.07	211.31	121.80	207.71	125.39	-17.58
57	80	67	4.63	-18.10	-55.58	-32.07	-41.62	-18.12	330.28	197.14	218.13	309.29	48.52
		62	2.18	12.40	-11.97	-7.73	8.16	9.24	28.60	-127.70	-111.66	12.56	47.43
		72	1.16	-2.83	-16.48	-8.00	-11.31	-6.62	55.33	-43.89	-43.67	55.11	4.62
		66	1.77	7.14	-27.87	6.52	-27.25	-4.62	112.04	48.81	111.11	49.74	-7.62
58	1	68	6.18	104.79	-19.58	99.31	-14.10	25.53	20.55	-272.96	-87.27	-165.14	141.49
		74	8.54	108.73	-9.69	92.18	6.86	41.07	392.15	-76.69	237.68	77.78	220.36
		62	6.19	46.59	-19.60	-17.68	44.66	11.13	165.84	-313.35	-257.12	109.61	154.23
		67	11.55	-80.19	-122.14	-119.32	-83.01	-10.50	932.67	199.00	461.88	669.79	351.80
58	28	68	2.56	18.63	-2.16	18.59	-2.13	0.86	145.33	-88.68	99.02	-42.38	93.23
		74	2.86	9.79	-24.03	-10.77	-3.47	16.52	111.95	-102.79	-69.81	78.97	77.43
		62	4.14	8.42	-14.62	-14.46	8.26	1.90	-28.06	-368.15	-368.13	-28.08	-2.42
		67	5.73	-17.22	-64.92	-63.27	-18.87	8.71	571.79	204.37	292.52	483.64	156.90
58	44	68	1.31	12.61	-3.25	12.50	-3.15	-1.30	69.96	-43.41	45.37	-18.82	46.72
		74	2.49	15.51	-12.97	4.06	-1.52	13.96	116.54	-64.71	21.66	30.18	90.52
		62	2.58	8.48	-10.06	-8.35	6.76	5.37	79.86	-151.48	-115.57	43.95	83.76
		67	4.04	-26.29	-36.25	-35.60	-26.93	-2.45	345.63	113.46	220.56	238.53	115.74
58	74	68	4.06	72.30	-13.40	68.77	-9.86	17.04	16.49	-164.30	-55.33	-92.47	88.47
		74	6.37	75.48	-9.17	61.81	4.50	31.15	291.30	-79.61	175.32	36.37	171.94
		62	4.81	36.60	-13.45	-11.45	34.59	9.82	162.82	-240.55	-128.15	50.41	180.85
		67	7.66	-64.47	-85.78	-83.34	-66.92	-6.79	570.27	85.63	339.73	316.17	242.03
58	77	68	2.17	21.81	-4.44	21.80	-4.43	0.55	102.04	-75.86	59.15	-32.97	76.10
		74	4.35	29.61	-21.88	8.30	-0.57	25.36	197.85	-106.70	50.95	40.20	152.18
		62	4.53	17.52	-18.80	-14.38	13.10	11.87	176.60	-217.51	-152.28	111.36	146.47
		67	6.63	-48.04	-58.11	-57.63	-48.51	-2.13	569.03	189.41	354.50	403.94	188.19
58	80	68	1.25	12.85	-3.01	12.79	-2.95	-0.92	61.62	-43.33	36.98	-18.68	44.49
		74	2.52	17.00	-14.22	4.41	-1.63	15.31	112.82	-59.72	24.68	28.41	86.25
		62	2.60	10.02	-11.47	-8.84	7.39	7.04	81.42	-140.38	-105.15	46.20	81.07
		67	3.86	-28.84	-34.81	-34.18	-29.47	-1.83	324.52	101.85	204.03	222.34	110.96
59	1	69	3.58	-4.66	-58.83	-8.70	-54.79	-14.24	63.18	-129.82	-99.43	32.80	70.30
		75	2.58	14.61	-25.26	-12.55	1.90	18.58	161.84	21.60	96.16	87.27	69.98
		4	4.31	43.86	-36.90	-2.76	9.72	-39.89	144.79	-44.03	-4.34	105.10	-76.94
		26	12.05	-9.69	-76.24	-21.56	-64.38	25.47	1069.13	207.84	221.80	1055.17	-108.77
59	17	69	3.17	8.24	-54.54	1.86	-48.15	-18.97	209.41	-3.83	55.75	149.83	-95.68
		75	2.15	8.22	-7.14	4.71	-3.63	6.44	22.76	-185.97	-183.79	20.57	21.23
		4	4.06	26.71	-45.77	-9.15	-9.92	-36.24	114.63	-87.13	-35.16	62.65	-88.23
		26	7.06	-6.35	-59.67	-13.53	-52.50	18.20	540.87	89.18	116.19	513.86	-107.10
59	49	69	2.61	7.68	-34.52	6.35	-33.18	-7.38	174.89	-9.42	40.40	125.07	-81.86
		75	1.91	8.35	-9.88	2.41	-3.94	8.55	-1.84	-176.44	-175.92	-2.35	9.46
		4	2.66	20.32	-21.35	-0.58	-0.44	-20.83	77.49	-84.19	-49.05	42.34	-66.68
		26	5.80	0.36	-47.57	-10.27	-36.94	19.91	440.52	60.06	90.75	409.82	-103.61
59	74	69	3.77	11.19	-47.80	7.97	-44.59	-13.39	285.59	-20.46	69.52	195.61	-139.44
		75	3.00	14.21	-2.09	8.18	3.93	7.87	0.09	-283.07	-282.90	-0.07	6.79
		4	3.82	27.18	-30.03	-5.80	2.95	-28.27	112.46	-122.53	-75.59	65.52	-93.95
		26	8.04	-4.27	-56.68	-11.91	-49.03	18.50	648.04	81.26	135.50	593.79	-166.74
59	77	69	3.40	11.16	-36.92	10.29	-36.06	-6.39	246.43	-24.76	54.81	166.86	-123.48
		75	2.67	13.38	-7.34	4.77	1.27	10.21	-11.79	-256.99	-256.98	-11.80	1.11
		4	2.96	23.65	-16.68	0.70	6.28	-19.97	87.50	-112.12	-73.18	48.56	-79.10
		26	7.06	-0.97	-52.23	-12.12	-41.08	21.14	552.42	58.06	109.74	500.73	-151.26
59	80	69	2.44	7.30	-29.20	6.77	-28.67	-4.36	163.18	-11.49	34.87	116.82	-77.13
		75	1.79	8.53	-10.18	1.83	-3.48	8.97	-6.94	-167.02	-166.86	-7.10	5.01
		4	2.28	18.34	-14.87	1.26	2.22	-16.60	66.59	-81.92	-51.39	36.06	-60.01
		26	5.36	2.11	-43.29	-9.05	-32.13	19.54	405.90	50.46	82.18	374.18	-101.33
60	7	70	4.63	45.10	-48.10	44.06	-47.07	-9.76	380.52	219.90	278.30	322.12	-77.27
		76	13.82	40.88	13.90	38.40	16.38	-7.80	-228.38	-1403.69	-1403.68	-228.39	2.72
		75	11.45	44.85	18.79	42.64	20.99	7.25	-60.56	-1076.48	-1073.29	-63.75	-56.82
		69	8.14	37.39	-67.89	33.87	-64.38	-18.92	786.81	113.19	350.27	549.73	-321.71
60	32	70	3.60	14.13	-24.38	1.41	-11.65	-18.12	-103.95	-318.03	-227.87	-194.11	105.70
		76	2.26	10.29	-19.27	-0.86	-8.12	-14.32	132.93	-38.39	104.24	-9.70	63.96
		75	2.78	12.89	-14.88	1.93	-3.92	-13.57	116.60	-102.37	-2.10	16.33	109.09
		69	3.41	15.28	-17.52	9.19	-11.44	-12.75	117.07	-161.18	-68.85	24.73	131.02
60	61	70	1.38	5.99	-23.73	5.98	-23.73	0.28	19.46	-17.60	-17.43	19.28	2.51
		76	1.89	4.82	-11.52	1.08	-7.77	6.86	-34.70	-189.58	-189.45	-34.83	4.59
		75	2.11	8.64	-3.24	6.84	-1.44	4.26	2.60	-183.64	-183.40	2.36	-6.65
		69	2.52	3.38	-30.08	3.00	-29.69	3.59	144.78	16.69	33.37	128.09	-43.12
60	74	70	1.93	11.52	-31.85	9.92	-30.25	-8.19	34.99	-16.43	-15.63	34.19	-6.37
		76	3.24	4.47	-1.63	4.36	-1.52	0.80	-57.74	-342.18	-341.78	-58.14	10.62
		75	3.27	10.14	4.42	10.00	4.55	-0.87	7.98	-304.10	-304.05	7.92	-4.23
		69	3.50	8.25	-39.98	7.86	-39.59	-4.33	234.10	36.50	67.24	203.36	-71.61
60	77	70	1.65	10.00	-26.41	9.68	-26.09	-3.42	25.60	-18.53	-18.10	25.18	-4.29
		76	2.83	5.66	-4.81	3.12	-2.27	4.49	-54.53	-301.67	-301.45	-54.75	7.38
		75	2.93	10.31	2.44	9.38	3.37	2.54	-3.54	-273.48	-273.35	-3.66	-5.76
		69	3.08	6.89	-32.50	6.84	-32.45	1.44	199.76	23.43	51.29	171.90	-64.31
60	80	70	1.26	5.62	-20.95	5.54	-20.88	-1.41	14.20	-25.30	-23.27	12.17	8.73
		76	1.69	2.84	-9.01	0.81	-6.98	4.47	-33.47	-174.76	-174.38	-33.86	7.37
		75	1.98	7.01	-1.62	6.37	-0.99	2.25	0.42	-176.15	-176.13	0.41	-1.82
		69	2.25	4.24	-25.45	4.06	-25.27	2.33	134.40	19.53	31.77	122.17	-35.44
61	7	71	3.95	34.52	-35.83	31.87	-33.18	-13.40	261.41	46.38	141.93	165.85	106.85
		77	12.35	32.69	17.03	27.91	21.81	-7.21	-215.42	-1292.09	-1291.18	-216.33	31.27
		76	13.81	43.24	19.15	42.12	20.27	5.08	-216.62	-1389.57	-1389.45	-216.75	12.02
		70	4.57	45.00	-46.94	41.82	-43.77	-16.79	376.51	234.83	275.52	335.82	-64.11
61	22	71	0.80	-7.89	-13.18	-12.92	-8.15	1.14	-3.89	-40.49	-39.38	-5.00	6.26
		77	3.45	7.52	-26.79	-19.09	-0.18	14.31	302.37	73.95	301.74	74.58	11.95
		76	2.69	-1.31	-16.79	-15.01	-3.09	4.94	235.42	44.25	232.97	46.70	-21.53
		70	1.53	7.18	-20.39	-10.14	-3.07	13.33	16.89	-46.71	-30.01	0.20	27.99
61	49	71	1.26	4.85	-20.21	2.68	-18.04	-7.05	-9.76	-56.73	-53.42	-13.06	12.02
		77	1.50	0.87	-5.28	0.31	-4.71	1.77	-26.75	-158.54	-158.28	-27.01	5.82
		76	1.87	2.78	-5.31	2.71	-5.25	0.72	-29.43	-187.84	-187.42	-29.85	8.19
		70	1.27	6.13	-20.47	5.94	-20.27	-2.27	16.65	-22.48	-21.84	16.00	4.99
61	74	71	1.78	9.31	-28.10	4.01	-22.80	-13.04	-0.48	-66.12	-65.52	-1.07	6.23
		77	2.80	4.44	1.84	1.95	4.33	-0.53	-46.57	-309.87	-309.62	-46.82	8.15
		76	3.19	6.03	0.51	5.23	1.31	-1.94	-47.95	-333.45	-333.15	-48.25	9.18
		70	1.83	11.16	-28.71	9.73	-27.28	-7.42	39.16	-18.09	-16.85	37.92	-8.31
61	77	71	1.57	8.13	-23.95	5.33	-21.15	-9.06	1.05	-56.77	-56.23	0.51	5.55
		77	2.47	6.26	0.13	1.59	4.81	2.61	-39.61	-271.27	-271.13	-39.75	5.62
		76	2.79	5.12	-2.12e-03	4.40	0.71	1.78	-46.49	-294.06	-293.91	-46.63	6.08
		70	1.54	9.35	-23.34	9.15	-23.14	-2.55	28.77	-20.02	-19.08	27.84	-6.70
61	80	71	1.15	3.59	-18.05	2.18	-16.64	-5.33	-8.26	-56.86	-53.12	-11.99	12.94
		77	1.24	1.48	-5.32	-0.68	-3.16	3.17	-21.14	-135.24	-134.96	-21.41	5.59
		76	1.65	2.64	-4.49	2.10	-3.95	1.89	-27.22	-168.84	-168.55	-27.51	6.41

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		70	1.15	5.18	-17.90	5.17	-17.89	-0.42	15.85	-24.74	-23.65	14.76	6.57
62	7	72	4.54	10.83	-22.58	5.46	-17.21	-12.27	275.84	-137.65	37.34	100.84	204.29
		78	9.02	29.09	17.81	17.81	29.08	-0.28	-153.98	-972.41	-970.43	-155.95	40.14
		77	12.31	32.07	27.69	31.68	28.09	1.25	-207.77	-1281.67	-1280.28	-209.17	38.65
		71	4.27	36.59	-36.32	31.50	-31.22	-18.59	276.11	65.62	147.28	194.44	102.57
62	14	72	1.22	-6.73	-18.13	-17.40	-7.45	-2.78	24.00	-54.04	-51.78	21.74	-13.08
		78	3.01	15.98	-21.21	-15.80	10.57	13.12	265.87	75.16	261.15	79.88	29.63
		77	3.34	4.56	-18.02	-17.71	4.25	2.63	299.56	75.59	299.53	75.62	2.48
		71	0.88	-2.58	-15.04	-12.15	-5.46	5.26	-1.97	-38.71	-37.93	-2.75	5.31
62	49	72	1.33	1.64	-17.82	-2.89	-13.29	-8.22	21.85	-65.00	-62.27	19.12	15.13
		78	1.25	4.63	-0.73	0.71	3.19	2.38	-11.75	-130.05	-129.87	-11.92	4.56
		77	1.47	0.90	-1.17	0.75	-1.02	-0.53	-24.38	-159.33	-159.13	-24.58	5.12
		71	1.14	5.55	-16.94	3.86	-15.25	-5.92	-9.06	-52.60	-51.55	-10.10	6.67
62	74	72	1.72	2.26	-23.42	-8.09	-13.07	-12.60	44.08	-84.86	-81.29	40.51	21.16
		78	2.73	14.12	1.75	2.42	13.45	2.80	-35.27	-282.12	-281.94	-35.45	6.80
		77	2.87	10.22	0.79	2.21	8.80	-3.37	-40.71	-310.01	-309.80	-40.92	7.52
		71	1.69	10.30	-25.46	5.46	-20.63	-12.23	4.31	-64.15	-64.13	4.29	-1.19
62	77	72	1.86	1.74	-21.80	-3.91	-16.14	-10.06	64.29	-71.37	-68.04	60.96	20.99
		78	2.53	18.06	1.85	2.65	17.25	3.53	-14.60	-238.43	-238.16	-14.88	7.86
		77	2.55	9.00	2.08	2.09	8.99	-0.15	-36.32	-273.42	-273.34	-36.40	4.45
		71	1.47	9.18	-21.07	6.72	-18.61	-8.27	4.35	-53.72	-53.68	4.31	-1.52
62	80	72	1.22	0.11	-16.08	-3.48	-12.49	-6.73	21.72	-64.62	-62.05	19.15	14.68
		78	1.16	6.67	-2.20	-0.37	4.84	3.59	-4.99	-106.01	-105.75	-5.25	5.17
		77	1.24	0.94	-0.37	-0.03	0.60	0.57	-18.88	-135.77	-135.59	-19.06	4.58
		71	1.04	4.24	-14.96	3.17	-13.89	-4.39	-7.55	-52.80	-51.38	-8.97	7.88
63	7	62	5.91	17.95	-15.10	-8.94	11.80	12.87	336.61	-264.09	53.31	19.21	299.87
		79	5.61	20.16	1.23	12.22	9.17	9.34	-149.08	-603.04	-602.65	-149.46	13.19
		78	8.96	34.51	19.77	20.92	33.36	3.95	-148.53	-957.94	-954.93	-151.54	49.29
		72	4.45	8.67	-16.93	0.85	-9.10	-11.80	284.19	-134.65	24.12	125.42	203.20
63	32	62	3.22	-4.34	-19.68	-18.82	-5.20	-3.54	31.67	-246.35	-237.56	22.88	-48.65
		79	1.51	10.53	-1.50	-0.97	10.01	-2.45	130.65	-30.15	91.62	8.87	-68.94
		78	1.85	17.46	-8.82	-1.85	10.49	-11.60	160.19	19.88	149.40	30.67	-37.38
		72	4.34	9.35	-23.68	-11.78	-2.54	-15.86	-50.62	-367.86	-319.53	-98.95	-114.00
63	61	62	1.38	-5.48	-8.10	-6.45	-7.13	1.26	89.61	-68.22	-35.94	57.33	63.66
		79	0.98	9.38	-3.20	0.51	5.67	5.74	-0.47	-78.96	-78.75	-0.68	4.06
		78	1.33	7.59	0.02	0.78	6.83	2.28	-6.69	-127.03	-126.68	-7.05	6.55
		72	1.11	-0.39	-10.35	-1.59	-9.14	-3.25	32.99	-61.16	-58.60	30.43	15.32
63	74	62	2.51	7.49	-12.82	-11.44	6.12	5.11	132.51	-101.58	-18.74	49.66	111.94
		79	2.38	12.90	-3.61	5.30	4.00	8.23	-71.83	-244.98	-244.26	-72.55	-11.18
		78	2.78	16.37	2.08	2.08	16.37	-0.10	-30.35	-277.69	-277.25	-30.79	10.35
		72	1.45	1.27	-17.21	-9.40	-6.54	-9.13	46.78	-101.38	-99.06	44.46	18.40
63	77	62	2.63	-4.89	-15.67	-12.32	-8.24	4.99	168.92	-103.01	-47.66	113.57	109.49
		79	1.86	19.77	0.61	2.82	17.56	6.12	0.20	-150.49	-150.23	-0.06	6.24
		78	2.58	20.58	3.37	3.37	20.58	0.29	-11.39	-238.09	-237.63	-11.85	10.24
		72	1.68	0.75	-14.76	-3.66	-10.34	-7.00	69.98	-82.13	-79.64	67.49	19.32
63	80	62	1.39	-5.87	-8.90	-8.24	-6.53	1.25	78.51	-73.30	-45.95	51.16	58.34
		79	0.85	9.32	-2.52	0.12	6.68	4.93	1.26	-61.93	-61.89	1.22	1.53
		78	1.18	8.16	0.25	0.31	8.11	0.65	-3.07	-105.63	-105.24	-3.46	6.26
		72	1.06	-0.40	-10.52	-3.09	-7.84	-4.47	24.71	-70.69	-69.05	23.07	12.41
64	7	74	6.63	85.20	1.13	81.68	4.65	16.85	307.04	-157.32	142.60	7.12	222.08
		80	4.17	50.91	-12.14	47.67	-8.89	-13.93	-101.37	-245.29	-238.65	-108.02	30.20
		79	5.26	15.22	-13.36	-1.21	3.07	14.13	-236.47	-601.18	-599.86	-237.80	21.98
		62	7.18	32.75	-13.99	-6.18	24.94	17.43	401.47	-318.35	92.87	-9.75	356.23
64	32	74	1.87	1.65	-16.10	-11.70	-2.75	7.67	40.44	-114.89	-113.76	39.31	13.23
		80	1.25	1.53	-6.75	-4.42	-0.79	3.72	86.60	-21.51	64.30	0.79	-43.74
		79	1.63	13.10	-3.24	-1.36	11.22	-5.21	131.59	-17.77	94.36	19.47	-64.61
		62	2.83	-0.28	-15.24	-15.05	-0.46	1.65	-3.56	-243.08	-226.99	-19.65	-59.96
64	63	74	1.27	5.89	-7.10	1.33	-2.54	6.20	50.52	-55.05	-20.02	15.49	49.71
		80	0.51	2.59	-6.13	-2.28	-1.26	4.33	13.99	-13.04	6.96	-6.01	11.85
		79	0.94	9.28	-1.77	-0.39	7.90	3.65	9.96	-61.05	-60.46	9.37	6.48
		62	1.81	2.46	-9.34	-4.55	-2.34	5.80	88.44	-80.43	-29.90	37.91	77.33
64	76	74	5.49	92.06	5.97	91.88	6.14	3.89	218.60	-39.62	167.61	11.36	102.79
		80	4.67	70.08	-13.98	65.47	-9.36	-19.15	-112.87	-229.26	-229.07	-113.06	-4.62
		79	3.13	-3.25	-29.38	-15.38	-17.24	13.03	-208.46	-293.78	-283.11	-219.13	-28.23
		62	2.52	30.71	-6.13	-5.04	29.62	6.23	104.94	-131.00	38.06	-64.12	106.33
64	77	74	2.56	12.47	-15.01	0.01	-2.55	13.68	87.79	-111.11	-41.60	18.28	94.83
		80	0.70	2.74	-9.70	-6.02	-0.94	5.68	22.07	-17.11	10.80	-5.84	17.73
		79	1.75	18.79	2.54	3.13	18.19	3.05	11.92	-131.37	-129.99	10.55	13.97
		62	3.31	5.61	-17.67	-9.43	-2.63	11.13	173.93	-127.85	-39.34	85.42	137.39
64	80	74	1.27	4.96	-7.73	-0.22	-2.55	6.24	48.35	-57.59	-25.96	16.72	48.48
		80	0.44	2.31	-5.75	-2.25	-1.18	3.99	14.74	-9.15	10.65	-5.07	9.00
		79	0.84	8.92	-0.83	-0.30	8.39	2.21	8.24	-52.96	-52.61	7.90	4.60
		62	1.72	1.51	-9.42	-5.95	-1.96	5.09	75.74	-84.62	-40.54	31.66	71.59
65	7	21	12.30	-15.60	-105.31	-30.39	-90.51	-33.30	830.95	-95.77	131.48	603.69	398.69
		4	6.40	39.66	-34.35	-9.35	14.66	35.00	166.05	-302.10	-211.21	75.16	185.17
		75	10.49	45.11	9.65	37.49	17.27	-14.57	-95.65	-994.26	-989.24	-100.67	66.99
		81	10.59	41.47	-77.85	39.33	-75.71	15.84	957.87	-69.30	327.10	561.47	500.04
65	29	21	6.57	-5.87	-55.58	-10.73	-50.73	-14.76	508.47	100.20	118.86	489.81	85.27
		4	4.05	24.59	-48.03	-13.25	-10.19	36.28	118.97	-81.22	-34.78	72.53	84.51
		75	2.00	7.50	-4.22	6.04	-2.76	-3.87	24.92	-168.99	-164.59	20.53	-28.86
		81	3.05	9.93	-54.84	1.15	-46.06	22.17	180.59	-0.15	51.09	129.35	81.46
65	52	21	5.83	-0.41	-57.26	-15.60	-42.06	-25.16	401.14	41.88	73.25	369.77	101.42
		4	2.42	22.26	-14.42	3.11	4.73	18.32	71.55	-78.51	-45.93	38.97	61.86
		75	1.95	10.99	-16.00	5.96e-03	-5.01	-13.26	-9.68	-176.43	-176.36	-9.74	-3.36
		81	2.69	9.66	-33.39	9.34	-33.07	3.71	167.89	-16.84	35.74	115.30	83.36
65	74	21	8.41	-8.03	-75.63	-23.96	-59.70	-28.68	608.27	49.08	104.28	553.07	166.79
		4	3.52	31.23	-21.62	-0.02	9.62	25.98	102.29	-110.82	-65.80	57.27	86.99
		75	3.07	20.15	-13.98	4.27	1.90	-17.03	-8.34	-287.88	-287.84	-8.38	-3.18
		81	4.08	13.52	-48.17	12.65	-47.30	7.29	275.22	-31.08	57.40	186.73	138.83
65	77	21	7.20	-1.97	-59.13	-13.67	-47.43	-23.06	542.52	63.50	109.18	496.84	140.69
		4	3.00	25.72	-15.69	1.09	8.93	20.33	95.05	-104.51	-69.60	60.15	75.81
		75	2.62	13.05	-8.90	3.78	0.37	-10.84	-14.30	-257.33	-257.13	-14.49	-6.85
		81	3.31	14.17	-38.74	12.97	-37.55	7.87	232.04	-21.32	54.14	156.58	115.86
65	80	21	5.46	1.28	-48.60	-10.15	-37.17	-20.96	398.57	55.18	81.99	371.75	92.14
		4	2.29	19.85	-13.94	1.64	4.27	16.84	73.07	-74.86	-48.02	46.23	57.01
		75	1.75	8.06	-11.25	0.99	-4.18	-9.30	-8.33	-167.66	-167.00	-8.98	-10.16
		81	2.37	9.96	-30.63	9.13	-29.80	5.74	150.52	-8.22	34.41	107.88	70.36
66	7	81	8.59	33.03	-71.14	32.30	-70.41	8.72	767.36	92.79	329.29	530.87	321.87
		75	11.62	54.93	10.85	44.41	21.37	-18.79	-70.98	-1078.52	-1074.88	-74.63	60.48
		76	13.82	38.81	15.32	38.19	15.93	-3.75	-228.06	-1404.97	-1404.96	-228.07	2.85
		82	4.89	46.53	-49.83	46.53	-49.83	-0.20	376.60	204.13	267.56	313.17	83.17

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

66	19	81	3.43	15.02	-15.12	8.14	-8.23	12.65	98.58	-189.09	-83.52	-6.99	-138.65
		75	2.78	12.91	-13.28	1.17	-1.54	13.02	138.70	-86.67	35.74	16.28	-112.26
		76	2.41	11.01	-17.40	-1.61	-4.78	14.12	164.10	-24.28	140.53	-0.70	-62.33
		82	3.55	14.32	-22.57	0.79	-9.04	17.77	-116.20	-321.09	-235.32	-201.96	-101.08
66	57	81	2.47	4.50	-31.28	4.40	-31.19	-1.87	137.03	19.76	34.62	122.16	39.02
		75	2.15	8.78	-3.46	7.26	-1.94	-4.04	1.85	-186.68	-186.66	1.82	2.22
		76	1.93	4.12	-10.95	1.44	-8.27	-5.76	-35.93	-193.61	-193.42	-36.11	-5.34
		82	1.36	6.59	-23.72	6.52	-23.65	1.45	13.32	-19.64	-19.45	13.13	-2.55
66	74	81	3.73	6.98	-43.97	6.85	-43.84	-2.56	220.56	22.42	52.95	190.03	71.54
		75	3.34	15.74	0.36	11.27	4.83	-6.98	0.66	-305.22	-305.07	0.52	6.56
		76	3.28	10.30	-7.93	4.20	-1.84	-8.60	-57.76	-342.81	-342.65	-57.93	-6.83
		82	1.99	11.71	-32.23	11.66	-32.18	1.50	29.84	-25.22	-23.12	27.73	10.56
66	77	81	3.01	8.00	-34.17	8.00	-34.17	-0.11	187.78	24.66	50.45	161.99	59.51
		75	2.93	10.81	2.14	9.79	3.17	-2.80	-4.82	-272.70	-272.70	-4.83	1.17
		76	2.84	5.30	-4.37	3.37	-2.43	-3.87	-55.01	-301.98	-301.73	-55.26	-7.84
		82	1.63	10.87	-26.70	10.26	-26.09	4.77	18.45	-21.77	-21.15	17.83	4.97
66	80	81	2.19	5.19	-26.56	5.15	-26.53	-1.01	124.20	20.73	31.19	113.75	31.18
		75	1.98	7.34	-1.80	6.72	-1.18	-2.31	-0.27	-175.59	-175.56	-0.30	-2.25
		76	1.70	2.48	-8.56	1.04	-7.12	-3.72	-33.76	-175.03	-174.60	-34.19	-7.80
		82	1.25	6.30	-20.99	6.02	-20.71	2.74	7.86	-27.88	-25.90	5.88	-8.18
67	7	82	4.71	43.64	-47.36	43.15	-46.87	6.67	372.41	219.31	264.82	326.91	69.98
		76	13.88	51.32	11.60	42.73	20.19	-16.35	-218.30	-1390.72	-1390.69	-218.33	-5.88
		77	12.33	28.80	20.95	28.04	21.71	-2.32	-212.25	-1292.35	-1291.82	-212.78	-23.97
		83	3.56	35.06	-35.32	34.80	-35.06	4.31	247.00	53.83	136.43	164.40	-95.57
67	26	82	1.50	6.09	-20.87	-8.75	-6.02	-13.41	13.18	-48.43	-31.36	-3.89	-27.57
		76	2.50	-1.96	-17.49	-14.28	-5.17	-6.29	215.52	38.31	212.79	41.04	21.82
		77	3.31	6.81	-27.66	-18.80	-2.06	-15.07	287.02	70.00	286.56	70.46	-9.95
		83	0.79	-9.33	-12.50	-12.19	-9.64	-0.95	-8.02	-43.64	-43.06	-8.61	-4.54
67	49	82	1.26	5.92	-20.80	5.91	-20.79	0.63	15.26	-20.99	-20.99	15.26	-0.30
		76	1.88	3.70	-6.27	2.79	-5.36	-2.87	-30.18	-187.76	-187.66	-30.29	-4.03
		77	1.51	1.96	-6.87	-0.08	-4.82	-3.73	-25.72	-158.61	-158.55	-25.79	-2.91
		83	1.17	4.01	-19.34	2.77	-18.10	5.24	-6.57	-50.55	-49.06	-8.07	-7.98
67	74	82	1.91	10.68	-29.46	10.67	-29.45	0.62	34.20	-26.97	-24.32	31.55	12.46
		76	3.22	9.54	-2.63	5.66	1.26	-5.67	-49.29	-334.08	-333.99	-49.38	-4.96
		77	2.83	9.15	-2.84	2.05	4.26	-5.89	-44.41	-310.09	-310.05	-44.44	-3.04
		83	1.67	7.53	-25.63	6.00	-24.10	6.95	-2.11	-69.51	-69.47	-2.15	1.67
67	77	82	1.53	10.03	-23.68	9.59	-23.24	3.85	22.45	-23.35	-22.07	21.17	7.56
		76	2.80	5.00	0.30	4.71	0.60	-1.14	-47.27	-294.20	-294.04	-47.43	-6.29
		77	2.45	5.58	0.93	1.72	4.79	-1.74	-40.05	-271.29	-271.24	-40.11	-3.46
		83	1.56	8.62	-24.23	5.20	-20.81	10.03	-2.04	-59.51	-59.43	-2.11	-2.14
67	80	82	1.14	5.67	-17.94	5.55	-17.82	1.72	10.00	-27.15	-26.20	9.05	-5.86
		76	1.66	2.56	-4.25	2.37	-4.05	-1.13	-27.76	-168.97	-168.65	-28.07	-6.63
		77	1.24	0.72	-4.46	-0.58	-3.17	-2.24	-21.60	-135.17	-135.05	-21.73	-3.73
		83	1.15	3.99	-18.22	2.02	-16.25	6.31	-11.99	-58.18	-55.90	-14.27	-10.01
68	7	83	3.86	35.54	-34.46	34.22	-33.14	9.50	262.24	72.99	141.76	193.46	-91.03
		77	12.33	40.98	19.04	32.00	28.02	-10.79	-205.12	-1281.98	-1281.08	-206.03	-31.25
		78	9.02	31.84	14.94	17.82	28.97	-6.35	-148.70	-972.13	-970.79	-150.03	-33.12
		84	4.01	10.92	-19.89	9.91	-18.88	5.48	265.60	-125.09	32.57	107.94	-191.67
68	19	83	3.27	14.92	-23.90	-2.99	-5.98	19.35	-192.35	-304.06	-291.44	-204.96	35.36
		77	2.21	16.64	-15.07	-3.05	4.62	15.38	193.89	25.03	193.87	25.06	2.15
		78	1.91	14.46	-6.90	-2.41	9.97	8.70	181.96	16.37	166.73	31.60	47.85
		84	4.23	7.93	-28.19	-12.96	-7.30	17.84	-56.71	-346.81	-300.57	-102.95	106.20
68	49	83	1.07	4.68	-16.28	3.78	-15.38	4.24	-5.01	-47.52	-47.28	-5.25	-3.19
		77	1.47	1.20	-1.75	0.54	-1.09	-1.22	-23.64	-159.25	-159.23	-23.66	-1.68
		78	1.30	5.86	-2.57	0.18	3.10	-3.95	-10.02	-130.23	-130.11	-10.14	-3.89
		84	1.27	0.57	-16.55	-2.63	-13.34	6.67	28.05	-58.14	-55.84	25.74	-13.89
68	74	83	1.63	8.55	-23.19	7.31	-21.95	6.13	4.71	-69.26	-68.09	3.54	9.25
		77	2.88	9.98	1.20	2.43	8.75	-3.04	-38.81	-310.36	-310.34	-38.83	-2.35
		78	2.79	16.98	-1.19	2.42	13.37	-7.25	-31.45	-282.19	-282.18	-31.46	-1.90
		84	1.60	-0.41	-18.89	-5.10	-14.20	8.04	46.57	-85.84	-84.66	45.39	-12.42
68	77	83	1.46	9.65	-21.37	6.60	-18.32	9.23	2.18	-57.15	-56.74	1.77	4.88
		77	2.54	9.12	2.07	2.21	8.97	1.00	-36.86	-273.47	-273.45	-36.88	-2.34
		78	2.51	17.80	2.13	2.68	17.26	-2.87	-15.04	-238.33	-238.19	-15.17	-5.49
		84	1.85	2.04	-22.23	-4.34	-15.85	10.68	63.57	-72.59	-70.28	61.26	-17.58
68	80	83	1.04	4.62	-15.13	3.03	-13.54	5.37	-10.60	-54.61	-54.03	-11.18	-5.00
		77	1.23	0.76	-0.09	0.08	0.59	0.34	-19.41	-135.74	-135.68	-19.47	-2.75
		78	1.13	6.14	-1.64	-0.35	4.85	-2.89	-5.48	-105.87	-105.77	-5.58	-3.12
		84	1.21	0.40	-16.49	-3.93	-12.17	7.38	20.96	-65.61	-63.99	19.34	-11.75
69	7	84	3.94	6.85	-12.69	5.31	-11.16	5.25	275.35	-123.30	18.89	133.16	-190.96
		78	8.96	39.51	14.97	21.03	33.44	-10.59	-143.29	-957.38	-955.19	-145.48	-42.18
		79	5.65	23.21	-2.08	12.08	9.05	-12.56	-144.21	-602.79	-602.70	-144.31	-6.61
		37	5.97	20.42	-14.06	-4.04	10.40	-15.65	331.29	-253.57	49.22	28.49	-292.25
69	19	84	4.38	8.82	-22.44	-12.04	-1.58	14.73	-43.98	-371.85	-319.46	-96.36	120.13
		78	1.99	19.03	-8.45	-2.13	12.70	11.57	180.40	24.67	169.19	35.87	40.24
		79	1.61	11.64	-1.68	-1.23	11.18	2.42	143.67	-25.76	105.45	12.45	70.81
		37	3.24	-4.47	-19.46	-19.05	-4.88	2.43	34.34	-248.62	-237.58	23.30	54.80
69	58	84	0.97	-1.77	-9.43	-4.30	-6.90	3.60	24.45	-71.94	-71.00	23.52	-9.45
		78	1.10	9.47	-0.75	-0.62	9.33	-1.17	2.60	-84.19	-83.97	2.37	-4.42
		79	0.84	10.44	-3.99	-1.10	7.55	-5.78	6.16	-45.79	-45.77	6.13	-1.10
		37	1.45	-4.45	-10.68	-9.13	-5.99	-2.69	74.35	-71.12	-47.77	51.00	-53.41
69	74	84	1.41	-2.36	-11.97	-6.40	-7.93	4.74	50.40	-103.39	-102.75	49.76	-9.92
		78	2.83	17.65	0.94	2.16	16.42	-4.36	-26.59	-277.54	-277.42	-26.71	-5.40
		79	2.46	14.97	-5.86	5.20	3.92	-10.39	-67.69	-245.69	-244.30	-69.08	15.70
		37	2.52	8.16	-11.13	-8.15	5.18	-6.97	130.80	-96.30	-21.56	56.07	-106.71
69	77	84	1.67	1.11	-15.21	-4.08	-10.02	7.60	69.54	-83.63	-81.95	67.86	-15.97
		78	2.57	20.57	3.38	3.39	20.56	0.36	-11.92	-237.89	-237.61	-12.21	-7.95
		79	1.85	19.57	0.81	2.80	17.58	-5.78	-0.24	-150.44	-150.28	-0.40	-4.80
		37	2.62	-5.13	-15.76	-12.80	-8.09	-4.76	168.51	-102.27	-48.88	115.12	-107.73
69	80	84	1.05	-0.04	-10.97	-3.53	-7.49	5.09	24.26	-71.99	-71.04	23.31	-9.53
		78	1.17	8.09	0.32	0.32	8.09	0.04	-3.66	-105.40	-105.22	-3.84	-4.28
		79	0.83	9.04	-2.24	0.10	6.70	-4.57	0.85	-61.93	-61.93	0.85	-0.30
		37	1.39	-5.99	-9.12	-8.75	-6.36	-1.01	78.21	-72.79	-47.00	52.42	-56.82
70	5	37	3.40	46.23	-5.59	-3.10	43.75	-11.08	139.54	-179.67	52.88	-93.00	-141.96
		79	4.64	-2.41	-47.52	-23.25	-26.68	-22.49	-299.76	-437.58	-414.36	-322.97	51.58
		80	6.97	105.11	-20.60	98.19	-13.68	28.67	-164.26	-342.64	-341.48	-165.43	14.37
		86	8.28	140.17	9.22	139.91	9.48	-5.82	321.56	-55.84	252.30	13.42	-146.08
70	14	37	2.70	2.63	-18.73	-16.17	0.06	-6.94	8.71	-235.73	-210.18	-16.84	74.78
		79	2.00	15.29	-6.35	-5.80	14.74	3.41	186.22	25.30	164.39	47.13	55.10
		80	1.46	3.70	-8.44	-4.27	-0.47	-5.76	105.61	-10.59	90.84	4.18	38.71
		86	1.80	5.30	-19.71	-11.51	-2.91	-11.74	38.74	-104.19	-104.19	38.74	0.28
70	42	37	1.67	1.74	-10.80	-7.70	-1.36	-5.41	61.98	-83.86	-49.34	27.45	-61.99

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		79	0.76	9.79	-1.00	-0.89	9.69	-1.06	11.38	-34.91	-34.84	11.31	-1.71
		80	0.42	2.30	-6.04	-2.61	-1.12	-4.10	20.97	-5.44	19.27	-3.74	-6.48
		86	1.31	5.12	-9.60	-1.97	-2.51	-7.36	43.91	-57.24	-31.14	17.82	-44.25
70	76	37	2.29	30.62	-4.00	-2.26	28.88	-7.57	99.47	-123.72	35.24	-59.50	-101.04
		79	3.13	-0.97	-31.66	-15.28	-17.34	-15.31	-201.48	-297.24	-283.29	-215.43	33.78
		80	4.64	69.71	-13.78	65.25	-9.32	18.77	-110.36	-228.32	-227.75	-110.93	8.25
		86	5.54	93.47	5.80	93.27	5.99	-4.14	216.69	-39.01	167.46	10.22	-100.82
70	79	37	1.21	14.82	-4.34	-3.73	14.21	-3.35	32.85	-77.82	-3.19	-41.77	-51.86
		79	1.48	-1.64	-16.61	-9.64	-8.61	-7.47	-92.20	-134.83	-123.16	-103.87	19.00
		80	2.25	34.94	-7.07	33.26	-5.39	8.23	-57.53	-105.65	-105.42	-57.76	3.27
		86	2.66	45.56	1.70	45.46	1.80	-2.08	105.16	-14.13	77.99	13.04	-50.03
70	80	37	1.71	1.32	-9.52	-6.40	-1.81	-4.91	75.09	-83.63	-41.48	32.94	-70.09
		79	0.82	8.76	-0.68	-0.31	8.39	-1.83	7.60	-52.85	-52.66	7.41	-3.37
		80	0.43	2.21	-5.77	-2.35	-1.21	-3.95	14.60	-9.09	10.69	-5.18	-8.79
		86	1.27	4.77	-7.84	-0.54	-2.52	-6.23	47.96	-57.86	-26.72	16.82	-48.23
71	1	6	17.51	-21.48	-90.83	-43.88	-68.43	-32.43	1719.56	343.55	344.55	1718.56	37.08
		21	12.51	-13.42	-103.12	-39.74	-76.81	40.84	1151.46	167.64	193.97	1125.13	158.76
		81	3.22	2.67	-67.43	-5.27	-59.50	-22.20	59.20	-81.66	-69.86	47.39	-39.03
		87	4.42	-8.32	-84.11	-13.42	-79.00	19.00	178.75	11.03	26.47	163.31	48.50
71	29	6	5.73	-5.23	-15.77	-5.30	-15.70	0.85	597.10	146.06	146.55	596.61	-14.83
		21	7.06	-0.08	-104.92	-33.93	-71.07	49.02	551.94	81.22	115.13	518.03	121.70
		81	3.12	16.28	-38.13	15.72	-37.57	5.49	174.25	13.81	39.45	148.61	58.79
		87	3.65	10.10	-64.89	-12.83	-41.96	34.55	259.08	103.87	132.57	230.38	60.25
71	61	6	5.82	3.16	-24.48	-2.17	-19.15	-10.90	579.99	143.35	143.58	579.76	10.10
		21	5.54	1.02	-62.02	-12.95	-48.05	26.18	471.28	55.47	91.22	435.53	116.57
		81	2.83	10.65	-30.91	10.27	-30.53	-3.95	153.11	-3.49	23.16	126.46	58.85
		87	3.17	5.63	-40.68	-0.70	-34.35	15.91	254.04	109.50	131.29	232.25	51.72
71	74	6	9.26	-1.19	-51.78	-14.37	-38.60	-22.20	887.39	215.58	217.22	885.76	33.08
		21	7.67	-3.46	-83.82	-23.75	-63.54	34.90	678.89	53.53	115.84	616.57	187.31
		81	4.58	13.71	-46.59	12.12	-45.00	-9.66	257.25	-21.75	33.39	202.11	111.10
		87	5.05	5.48	-59.96	0.29	-54.77	17.68	405.37	173.08	208.48	369.98	83.48
71	77	6	8.03	4.35	-38.34	-3.51	-30.48	-16.54	778.11	193.60	195.09	776.62	29.47
		21	6.70	1.71	-63.18	-11.26	-50.22	25.94	602.94	57.96	112.70	548.20	163.81
		81	3.76	12.45	-36.68	11.67	-35.91	-6.12	220.66	-17.27	32.50	170.90	96.77
		87	4.29	8.32	-47.69	4.47	-43.85	14.16	355.37	156.32	188.21	323.48	73.01
71	80	6	5.78	5.80	-27.49	-1.79	-19.90	-13.97	565.24	139.65	140.34	564.55	17.16
		21	5.11	1.24	-50.66	-8.12	-41.30	19.96	441.92	46.70	82.57	406.05	113.53
		81	2.75	9.46	-29.45	8.29	-28.27	-6.66	145.14	-8.73	17.70	118.71	58.03
		87	3.07	4.81	-35.09	1.66	-31.94	10.77	250.08	106.60	127.44	229.24	50.55
72	7	87	10.12	25.84	-76.13	23.72	-74.00	14.56	939.21	599.35	635.32	903.24	104.55
		81	8.93	33.29	-65.85	32.67	-65.23	7.83	747.87	40.24	223.37	564.74	309.92
		82	5.49	44.75	-51.59	44.74	-51.58	1.17	382.09	155.99	194.59	343.49	85.08
		88	8.22	42.74	-81.11	41.54	-79.91	12.14	784.00	616.64	750.52	650.12	66.95
72	25	87	3.79	-3.62	-45.77	-5.59	-43.80	8.89	279.43	140.59	150.92	269.10	36.44
		81	3.44	0.62	-45.70	0.62	-45.70	-0.17	184.66	5.38	25.85	164.19	57.01
		82	2.03	8.29	-35.30	7.40	-34.42	-6.14	32.20	-20.54	-16.92	28.58	13.34
		88	2.23	5.73	-43.48	4.55	-42.30	7.51	144.99	79.65	136.41	88.23	22.07
72	57	87	3.10	2.77	-31.53	2.28	-31.03	4.10	247.37	131.24	140.56	238.06	31.54
		81	2.63	5.14	-30.47	5.13	-30.46	-0.46	151.23	9.68	24.21	136.70	42.96
		82	1.44	6.51	-25.23	6.30	-25.01	-2.62	15.82	-19.32	-18.71	15.22	4.57
		88	1.95	7.33	-33.24	6.85	-32.76	4.40	126.42	63.86	122.54	67.74	15.10
72	74	87	4.81	4.19	-49.86	3.63	-49.30	5.45	378.03	203.05	217.87	363.22	48.71
		81	3.90	7.70	-42.55	7.70	-42.55	0.43	240.04	9.75	38.44	211.36	76.05
		82	2.14	11.38	-34.48	11.27	-34.37	-2.26	37.80	-28.33	-22.24	31.71	19.12
		88	3.26	13.83	-52.35	13.21	-51.72	6.40	209.14	96.40	200.65	104.89	29.75
72	77	87	4.06	7.47	-39.52	6.97	-39.03	4.80	330.66	181.20	195.63	316.23	44.13
		81	3.22	9.15	-33.44	9.09	-33.38	1.58	204.70	12.45	36.67	180.48	63.79
		82	1.72	10.01	-28.22	10.00	-28.21	0.69	25.70	-24.22	-19.76	21.25	14.24
		88	2.87	13.03	-43.42	12.41	-42.80	5.87	185.32	82.85	179.38	88.79	23.94
72	80	87	2.88	4.39	-27.48	4.09	-27.18	3.09	234.33	123.25	131.98	225.59	29.90
		81	2.36	6.04	-25.93	6.04	-25.93	-0.25	138.25	9.80	20.73	127.32	35.84
		82	1.26	5.78	-22.16	5.71	-22.08	-1.45	7.80	-24.30	-24.30	7.80	0.38
		88	1.82	7.42	-30.17	7.05	-29.80	3.74	112.59	52.43	109.40	55.62	13.47
73	7	88	8.09	44.09	-76.40	42.76	-75.07	12.60	776.19	628.31	749.57	654.93	56.82
		82	5.39	44.36	-47.45	44.36	-47.45	0.10	383.69	152.49	189.91	346.27	85.15
		83	3.74	34.54	-38.20	34.32	-37.99	3.96	228.61	73.58	114.85	187.34	-68.53
		89	7.86	40.27	-78.59	39.06	-77.37	11.96	700.91	433.52	700.82	433.60	4.74
73	19	88	2.90	10.19	-17.01	4.91	-11.73	10.76	-201.00	-283.92	-201.75	-283.17	7.84
		82	2.76	11.96	-16.99	2.23	-7.27	13.67	-130.50	-265.87	-195.77	-200.60	-67.64
		83	3.02	9.02	-22.53	-3.68	-9.84	15.47	-198.30	-273.38	-251.99	-219.69	33.89
		89	3.70	3.28	-26.41	-2.74	-20.40	11.93	-218.64	-336.56	-229.55	-325.65	34.16
73	45	88	1.84	8.09	-29.68	7.60	-29.19	4.27	125.22	66.40	120.73	70.89	15.62
		82	1.35	6.46	-22.20	6.38	-22.12	-1.57	19.36	-19.31	-18.94	19.00	3.74
		83	1.08	3.46	-19.48	3.44	-19.47	0.66	-7.27	-40.78	-40.69	-7.37	-1.76
		89	2.01	6.80	-30.92	6.07	-30.20	5.17	111.01	27.18	110.60	27.59	5.86
73	74	88	3.12	14.43	-48.54	13.88	-47.99	5.85	207.09	100.57	198.19	109.47	29.47
		82	2.06	11.31	-31.54	11.27	-31.50	-1.28	42.60	-26.74	-21.36	37.22	18.56
		83	1.60	6.93	-26.32	6.71	-26.09	2.72	1.60	-57.70	-55.75	-0.34	10.57
		89	3.47	13.30	-51.15	12.24	-50.09	8.19	197.39	51.63	194.45	54.57	20.49
73	77	88	2.75	13.72	-39.79	13.16	-39.23	5.45	183.36	86.21	177.03	92.54	23.97
		82	1.64	10.36	-25.34	10.29	-25.28	1.54	29.73	-22.31	-18.77	26.18	13.11
		83	1.42	6.82	-23.77	5.90	-22.85	5.24	0.31	-48.66	-47.89	-0.46	6.08
		89	3.01	10.97	-44.37	10.02	-43.42	7.20	175.16	46.39	173.46	48.09	14.70
73	80	88	1.70	8.07	-26.63	7.73	-26.29	3.38	111.19	55.62	107.72	59.09	13.44
		82	1.19	6.08	-19.16	6.06	-19.14	-0.77	12.30	-23.62	-23.59	12.27	-1.02
		83	0.98	2.60	-17.76	2.47	-17.63	1.59	-13.55	-46.80	-46.49	-13.86	-3.17
		89	1.89	5.96	-29.25	5.37	-28.65	4.53	95.20	13.85	94.81	14.24	5.62
74	7	89	7.83	42.67	-73.66	41.28	-72.27	12.65	699.48	444.53	699.34	444.66	5.83
		83	3.75	34.28	-35.19	34.12	-35.02	3.42	237.46	79.47	112.42	204.51	-64.19
		84	3.66	12.86	-21.04	11.08	-19.26	7.56	240.22	-80.61	42.94	116.67	-156.12
		90	6.66	17.73	-86.09	14.45	-82.81	18.16	604.59	357.56	583.51	378.65	-69.02
74	19	89	3.67	5.32	-22.92	-0.50	-17.10	11.42	-217.21	-345.95	-233.24	-329.92	42.50
		83	2.93	10.73	-21.63	-3.52	-7.38	16.06	-194.36	-264.91	-245.54	-213.73	31.49
		84	3.99	5.04	-23.35	-11.90	-6.41	13.93	-42.79	-332.62	-264.13	-111.27	123.12
		90	2.86	-6.40	-37.44	-15.41	-28.44	14.09	-51.53	-175.81	-108.43	-118.91	61.92
74	45	89	1.94	8.10	-27.37	7.43	-26.70	4.85	109.80	26.67	109.05	27.41	7.82
		83	1.01	3.76	-16.95	3.69	-16.87	1.24	-3.43	-38.80	-38.62	-3.60	-2.46
		84	1.06	-1.05	-13.78	-1.62	-13.21	2.62	24.99	-48.97	-48.86	24.88	-2.76
		90	1.93	0.83	-32.41	-0.90	-30.68	7.39	129.88	89.63	128.88	90.63	-6.27
74	74	89	3.43	15.16	-47.25	14.14	-46.24	7.90	197.31	49.15	193.10	53.35	24.61
		83	1.57	6.94	-24.46	6.53	-24.05	3.58	9.19	-55.44	-53.34	7.09	11.47

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		84	1.41	-0.34	-16.83	-3.43	-13.73	6.43	45.14	-72.56	-72.50	45.07	2.75
		90	3.58	3.09	-58.16	-0.32	-54.75	14.03	234.07	182.42	233.84	182.65	-3.39
74	77	89	2.97	12.87	-40.74	11.95	-39.83	6.93	173.81	44.33	171.26	46.88	18.01
		83	1.38	7.41	-21.90	6.07	-20.56	6.12	5.87	-45.32	-44.59	5.14	6.09
		84	1.56	0.15	-18.50	-3.19	-15.15	7.15	60.78	-62.44	-62.44	60.78	0.39
		90	3.24	-0.91	-51.34	-3.39	-48.86	10.91	212.10	171.04	211.99	171.15	-2.18
74	80	89	1.82	7.29	-25.77	6.72	-25.19	4.33	94.03	13.46	93.27	14.22	7.78
		83	0.93	3.11	-15.31	2.84	-15.03	2.24	-9.57	-44.86	-44.43	-10.00	-3.85
		84	0.96	-2.06	-13.14	-3.17	-12.02	3.33	18.30	-55.66	-55.66	18.30	-0.45
		90	1.80	-0.96	-32.20	-2.59	-30.56	6.96	113.42	77.31	112.94	77.79	-4.14
75	1	90	4.14	15.20	-70.85	12.49	-68.15	15.02	219.91	2.40	125.04	97.27	107.87
		84	5.07	-4.31	-49.72	-33.62	-20.40	21.72	208.27	-217.31	-163.83	154.79	141.07
		37	5.25	50.83	-16.89	-10.90	44.84	-19.24	24.99	-322.57	-311.63	14.05	-60.69
		91	14.16	-36.62	-153.05	-77.53	-112.14	55.59	1109.37	516.21	539.22	1086.36	-114.53
75	23	90	3.66	2.61	-31.46	-2.72	-26.12	12.39	-45.22	-273.98	-130.62	-188.58	110.65
		84	4.39	7.55	-33.60	-21.15	-4.90	18.91	25.82	-290.67	-236.55	-28.31	119.17
		37	4.22	18.16	-17.94	-14.80	15.02	-10.17	-44.42	-384.25	-373.33	-55.34	59.93
		91	6.66	-24.64	-81.38	-65.90	-40.12	25.27	577.16	258.93	259.25	576.85	-9.98
75	71	90	1.77	6.87	-27.98	5.22	-26.34	7.39	108.53	43.21	106.89	44.85	10.21
		84	1.20	-0.14	-19.26	-8.71	-10.69	9.51	52.79	-49.77	-49.77	52.79	-0.14
		37	2.18	11.61	-10.86	-7.75	8.50	-7.76	26.09	-136.12	-121.82	11.78	-46.00
		91	4.82	-17.49	-58.05	-35.50	-40.04	20.15	345.58	207.87	228.61	324.84	-49.25
75	74	90	3.42	17.27	-51.49	15.73	-49.95	10.17	237.51	134.85	233.68	138.68	19.45
		84	1.92	-1.10	-29.58	-15.78	-14.91	14.23	113.72	-59.11	-59.10	113.71	1.15
		37	3.77	36.22	-11.77	-7.03	31.48	-14.32	36.38	-222.09	-162.60	-23.11	-108.80
		91	9.14	-27.80	-108.40	-54.00	-82.20	37.75	648.05	341.59	395.87	593.78	-117.00
75	77	90	2.84	11.31	-45.71	10.33	-44.73	7.41	209.30	121.61	204.71	126.20	19.53
		84	2.04	-0.34	-28.14	-12.84	-15.64	13.83	124.66	-45.48	-45.47	124.64	-1.40
		37	3.83	24.74	-18.43	-12.09	18.40	-15.28	79.73	-199.09	-167.70	48.35	-88.13
		91	8.12	-32.12	-93.38	-55.73	-69.77	29.82	598.70	354.17	385.05	567.83	-81.22
75	80	90	1.73	6.61	-27.69	5.87	-26.95	4.97	109.82	48.90	108.38	50.34	9.26
		84	1.16	-2.33	-17.22	-8.60	-10.95	7.35	55.82	-45.51	-45.47	55.78	-2.01
		37	2.20	12.57	-12.16	-8.12	8.54	-9.14	28.56	-128.69	-113.73	13.60	-46.14
		91	4.69	-18.83	-56.37	-33.57	-41.63	18.33	334.92	199.02	219.15	314.79	-48.27
76	5	91	9.67	-87.00	-123.80	-109.73	-101.08	17.88	607.86	-64.25	311.66	231.95	-333.68
		37	5.74	67.31	-7.63	-5.15	64.83	-13.42	157.95	-314.43	-120.98	-35.50	-232.29
		86	11.00	158.48	-0.41	146.27	11.79	-42.31	464.31	-63.75	363.28	37.28	-207.71
		92	7.38	146.20	-28.95	135.46	-18.22	-42.02	-87.96	-346.46	-248.51	-185.90	-125.40
76	23	91	5.59	-18.77	-65.16	-62.93	-20.99	-9.90	556.46	191.42	274.32	473.56	-152.94
		37	4.15	9.55	-15.31	-14.93	9.17	-3.07	-26.94	-364.86	-364.58	-27.22	9.71
		86	2.85	10.70	-25.53	-11.18	-3.65	-17.72	107.15	-98.72	-69.69	78.12	-71.65
		92	2.49	18.66	-2.01	18.61	-1.96	-1.04	137.57	-89.70	90.88	-43.02	-91.82
76	62	91	3.79	-31.69	-36.61	-36.60	-31.70	-0.25	315.21	95.90	194.25	216.86	-109.07
		37	2.66	11.62	-13.39	-10.54	8.77	-7.95	76.81	-136.79	-105.45	45.47	-75.57
		86	2.56	17.91	-16.53	3.34	-1.95	-17.02	108.13	-56.15	23.20	28.78	-82.09
		92	1.28	14.28	-2.72	14.27	-2.71	0.46	58.76	-43.59	34.54	-19.37	-43.50
76	76	91	6.67	-59.89	-85.01	-75.08	-69.82	12.28	421.64	-39.12	218.42	164.10	-228.77
		37	4.00	45.58	-5.71	-3.85	43.72	-9.60	112.34	-215.63	-83.35	-19.94	-160.89
		86	7.46	106.58	-1.15	97.87	7.56	-29.37	316.10	-44.95	244.79	26.37	-143.74
		92	4.93	98.10	-19.39	91.11	-12.40	-27.79	-56.61	-232.14	-163.87	-124.87	-85.57
76	77	91	6.68	-48.20	-59.13	-58.87	-48.46	1.67	574.60	192.27	356.49	410.37	-189.26
		37	4.54	17.55	-18.93	-14.76	13.39	-11.61	176.07	-218.41	-154.83	112.50	-145.04
		86	4.35	29.45	-22.20	7.89	-0.64	-25.47	198.10	-106.92	50.25	40.93	-152.44
		92	2.20	22.13	-4.43	22.12	-4.42	-0.55	102.97	-76.50	60.40	-33.92	-76.35
76	80	91	3.90	-29.17	-35.75	-35.47	-29.45	1.34	329.26	104.37	205.85	227.78	-111.91
		37	2.61	10.08	-11.60	-9.24	7.71	-6.76	80.93	-141.20	-107.38	47.11	-79.81
		86	2.53	16.83	-14.56	3.98	-1.70	-15.44	113.04	-59.96	24.02	29.06	-86.47
		92	1.27	13.18	-3.00	13.12	-2.94	0.92	62.50	-43.80	38.22	-19.52	-44.63
77	1	20	14.74	-15.80	-107.12	-39.70	-83.23	-40.14	1374.89	258.56	274.54	1358.91	-132.61
		6	17.49	-17.90	-84.72	-38.11	-64.50	30.69	1765.88	378.27	383.47	1760.68	84.80
		87	4.59	-16.70	-76.82	-18.93	-74.59	-11.37	218.29	86.95	101.05	204.19	40.66
		93	4.01	0.33	-73.07	-2.67	-70.08	14.52	174.77	50.16	66.81	158.12	42.40
77	15	20	5.40	22.62	-9.78	21.74	-8.91	5.25	537.30	118.48	118.48	537.29	-1.76
		6	7.02	22.30	-7.29	22.09	-7.08	2.44	732.77	159.06	159.24	732.60	9.99
		87	1.11	11.70	-12.25	11.01	-11.56	4.01	16.83	-30.12	-26.22	12.93	12.95
		93	1.63	8.35	-9.74	8.20	-9.59	1.65	83.65	-90.22	-10.74	4.16	86.61
77	53	20	5.13	1.04	-48.65	-9.38	-38.23	-20.23	458.67	80.37	106.30	432.74	-95.60
		6	5.99	3.83	-32.67	-4.54	-24.30	15.34	591.14	138.90	143.35	586.69	44.64
		87	3.34	-1.28	-32.93	-2.26	-31.96	-5.46	257.87	124.55	132.65	249.76	31.85
		93	3.13	7.31	-32.18	6.76	-31.62	4.65	226.74	92.80	112.71	206.83	-47.65
77	74	20	8.19	-1.98	-75.39	-17.95	-59.42	-30.29	737.63	128.72	166.56	699.79	-147.00
		6	9.19	2.69	-51.35	-10.66	-38.00	23.31	910.81	215.48	223.02	903.27	72.04
		87	5.12	-1.77	-50.83	-2.57	-50.02	-6.24	395.84	199.96	213.22	382.57	49.22
		93	4.82	11.62	-50.16	11.12	-49.66	5.56	346.75	132.50	167.89	311.36	-79.55
77	77	20	7.16	3.13	-59.21	-7.58	-48.50	-23.51	650.23	120.88	154.17	616.94	-128.51
		6	8.00	7.73	-37.26	-0.01	-29.51	16.98	798.06	191.23	198.14	791.15	64.40
		87	4.39	2.60	-41.26	1.89	-40.55	-5.54	347.14	176.61	189.49	334.26	45.07
		93	4.08	12.57	-40.38	12.41	-40.22	2.92	306.38	122.44	154.69	274.14	-69.94
77	80	20	5.07	3.41	-44.47	-5.42	-35.64	-18.57	454.79	86.81	109.14	432.46	-87.84
		6	5.75	6.17	-25.56	1.05	-20.44	11.67	574.49	136.02	140.59	569.91	44.54
		87	3.15	1.05	-30.01	-0.22	-28.74	-6.15	244.88	116.73	125.00	236.61	31.48
		93	2.90	8.66	-28.94	8.52	-28.79	2.35	215.62	94.92	111.05	199.48	-41.08
78	7	93	9.44	29.18	-68.40	29.18	-68.40	-0.26	856.27	278.32	425.90	708.69	-252.02
		87	10.15	21.77	-72.89	21.17	-72.30	7.48	935.28	555.94	585.96	905.25	102.41
		88	8.39	41.96	-80.95	41.76	-80.75	4.98	751.33	644.26	725.44	670.15	45.85
		94	6.62	42.19	-68.76	41.90	-68.46	5.72	554.26	435.40	499.99	489.67	-59.20
78	20	93	3.54	0.23	-42.63	-0.26	-42.14	-4.52	254.51	115.41	131.78	238.14	-44.82
		87	3.92	-5.11	-43.58	-7.18	-41.50	-8.68	283.62	143.68	149.64	277.66	28.25
		88	2.45	6.10	-44.04	4.12	-42.06	-9.78	144.83	100.20	143.15	101.88	8.48
		94	1.98	7.68	-35.95	7.55	-35.82	2.42	128.68	85.54	128.38	85.85	-3.61
78	52	93	2.80	5.23	-29.24	5.11	-29.13	-1.99	215.32	110.32	122.16	203.48	-33.20
		87	3.20	1.71	-30.32	1.49	-30.09	-2.69	253.59	132.65	140.05	246.19	29.00
		88	1.88	7.12	-33.28	6.81	-32.97	-3.52	130.91	71.88	128.41	74.38	11.89
		94	1.74	7.92	-27.57	7.87	-27.52	1.36	118.91	66.79	118.74	66.97	3.00
78	74	93	4.29	7.71	-45.81	7.70	-45.80	-0.56	322.39	155.44	177.16	300.66	-56.17
		87	4.89	2.55	-48.45	2.51	-48.41	1.40	387.86	212.08	224.59	375.35	45.19
		88	3.27	13.37	-52.61	13.37	-52.61	0.27	221.87	107.08	215.82	113.12	25.64
		94	2.83	14.08	-44.78	13.85	-44.55	3.63	177.43	91.29	177.35	91.37	-2.63
78	77	93	3.63	9.75	-36.92	9.67	-36.85	-1.86	283.23	143.19	162.12	264.30	-47.88
		87	4.16	6.37	-38.42	6.37	-38.41	0.45	338.91	188.90	200.08	327.74	39.39
		88	2.86	12.45	-43.55	12.45	-43.55	-0.12	196.00	91.89	191.70	96.19	20.72

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		94	2.47	12.63	-36.98	12.63	-36.97	0.56	159.29	79.66	159.28	79.67	-0.97
78	80	93	2.56	6.45	-25.48	6.38	-25.42	-1.47	200.33	107.15	115.97	191.51	-27.28
		87	2.96	3.55	-26.61	3.49	-26.55	-1.32	240.60	125.06	132.21	233.44	27.85
		88	1.79	7.12	-30.17	7.03	-30.07	-1.89	118.78	58.51	116.20	61.09	12.20
		94	1.65	7.64	-25.09	7.61	-25.06	0.98	110.92	55.89	110.20	56.62	6.27
79	7	94	6.49	44.01	-64.51	43.54	-64.03	7.15	554.09	433.89	498.45	489.53	-59.93
		88	8.22	42.07	-76.44	41.92	-76.30	4.17	754.14	634.63	723.11	665.66	52.40
		89	7.82	39.83	-80.29	39.59	-80.06	5.31	702.96	456.46	702.90	456.52	3.74
		95	5.94	37.76	-66.63	37.53	-66.40	4.92	510.72	306.25	468.29	348.68	82.92
79	19	94	2.35	3.29	-10.13	2.99	-9.83	-1.98	-72.13	-242.90	-98.91	-216.12	62.10
		88	2.83	6.76	-13.96	4.96	-12.16	5.83	-166.00	-283.55	-166.59	-282.96	8.31
		89	3.57	-0.32	-22.80	-2.01	-21.11	5.93	-174.28	-333.04	-181.08	-326.24	32.15
		95	2.70	-2.45	-18.11	-3.42	-17.13	-3.79	-94.20	-243.40	-97.87	-239.74	-23.09
79	45	94	1.64	8.38	-24.09	8.02	-23.73	3.36	118.26	68.22	118.20	68.28	1.79
		88	1.79	7.31	-29.55	7.29	-29.54	-0.67	130.46	72.18	126.54	76.11	14.60
		89	2.04	6.44	-30.83	6.44	-30.83	-0.14	121.08	32.45	120.91	32.62	3.85
		95	1.73	6.30	-24.51	6.00	-24.21	3.02	116.32	41.93	114.88	43.37	10.23
79	74	94	2.75	14.77	-41.63	14.61	-41.47	3.06	176.96	92.12	176.73	92.36	-4.47
		88	3.14	13.72	-49.07	13.71	-49.06	0.66	220.09	109.62	213.19	116.52	26.74
		89	3.61	12.90	-52.13	12.82	-52.05	2.31	220.25	61.60	218.49	63.36	16.62
		95	2.97	12.70	-43.26	12.65	-43.21	1.71	184.56	68.00	183.96	68.61	8.36
79	77	94	2.41	13.40	-33.94	13.40	-33.94	0.14	158.88	80.70	158.79	80.78	-2.60
		88	2.75	13.05	-40.14	13.05	-40.14	0.20	194.06	94.40	189.25	99.21	21.36
		89	3.11	10.35	-44.86	10.32	-44.82	1.35	194.01	54.69	193.14	55.57	11.01
		95	2.51	9.99	-36.67	9.97	-36.64	-1.12	161.20	59.26	160.45	60.01	8.75
79	80	94	1.58	8.35	-22.02	8.33	-22.01	0.70	110.08	57.48	109.66	57.90	4.71
		88	1.68	7.65	-26.82	7.57	-26.74	-1.66	117.41	60.98	114.45	63.95	12.59
		89	1.94	5.54	-29.40	5.52	-29.38	-0.87	106.86	18.87	106.68	19.04	3.87
		95	1.65	5.59	-23.30	5.59	-23.29	0.31	105.12	28.67	103.61	30.18	10.64
80	7	95	5.96	39.87	-63.12	39.55	-62.79	5.76	513.30	313.80	470.56	356.53	81.85
		89	7.70	40.37	-75.79	40.15	-75.57	5.04	695.35	456.89	695.07	457.18	8.17
		90	6.77	15.55	-84.15	15.51	-84.12	1.92	630.70	407.51	607.90	430.31	-67.60
		96	6.15	11.80	-62.50	11.35	-62.05	5.76	558.05	235.50	362.87	430.68	157.67
80	19	95	2.66	-0.70	-15.78	-2.15	-14.33	-4.45	-91.52	-248.21	-95.07	-244.65	-23.32
		89	3.53	1.07	-19.99	-0.87	-18.05	6.10	-177.76	-340.15	-183.74	-334.17	30.58
		90	2.16	-12.36	-31.32	-13.79	-29.90	4.99	-16.83	-122.99	-39.25	-100.57	43.33
		96	2.15	-11.55	-21.04	-12.75	-19.84	-3.15	75.73	-127.53	-13.46	-38.34	-100.86
80	49	95	1.69	7.21	-21.56	6.97	-21.31	2.66	118.01	43.28	117.04	44.24	8.44
		89	1.95	6.99	-27.61	6.99	-27.61	-0.08	118.63	30.50	118.38	30.75	4.67
		90	1.97	-0.11	-30.87	-0.13	-30.86	-0.67	148.72	100.10	143.43	105.39	-15.14
		96	1.74	-0.06	-21.50	-0.53	-21.03	3.13	125.67	101.44	105.07	122.05	8.65
80	74	95	2.98	13.86	-40.67	13.83	-40.64	1.31	188.09	66.90	187.69	67.30	6.96
		89	3.54	13.72	-48.72	13.60	-48.60	2.72	216.18	56.24	214.08	58.34	18.18
		90	3.78	1.10	-56.31	1.03	-56.24	2.01	275.83	210.60	271.49	214.94	-16.25
		96	3.48	0.55	-41.40	0.47	-41.31	1.89	248.07	189.05	190.85	246.26	10.17
80	77	95	2.51	11.16	-34.06	11.12	-34.01	-1.48	164.42	59.24	163.91	59.74	7.25
		89	3.04	11.33	-41.61	11.28	-41.56	1.67	190.22	50.12	189.13	51.21	12.31
		90	3.40	-2.48	-49.59	-2.48	-49.59	0.27	246.09	191.59	240.88	196.80	-16.02
		96	3.00	-2.38	-35.34	-2.38	-35.34	-0.13	214.53	156.99	159.27	212.24	11.24
80	80	95	1.61	6.47	-20.45	6.47	-20.45	0.13	106.63	29.89	105.55	30.97	9.05
		89	1.86	6.31	-26.17	6.29	-26.16	-0.69	104.38	16.80	104.12	17.06	4.73
		90	1.86	-2.00	-30.94	-2.06	-30.88	-1.29	133.50	88.69	129.67	92.53	-12.54
		96	1.63	-1.86	-20.82	-1.90	-20.77	0.89	112.53	92.84	95.78	109.60	7.01
81	1	96	5.27	-9.09	-56.30	-9.81	-55.58	-5.80	426.73	105.79	174.39	358.12	-131.58
		90	3.66	-2.27	-74.53	-3.14	-73.65	7.91	216.31	74.12	216.26	74.17	-2.70
		91	15.56	-45.06	-109.27	-54.83	-99.50	-23.07	1497.77	566.03	627.94	1435.86	-232.06
		97	11.00	-2.17	-69.10	-31.66	-39.62	33.23	1106.55	140.41	151.99	1094.97	105.11
81	23	96	2.43	-10.45	-21.30	-14.63	-17.12	-5.28	104.71	-128.39	-9.24	-14.44	-116.52
		90	2.77	-8.77	-28.59	-9.99	-27.36	4.78	-14.91	-192.05	-21.31	-185.65	33.06
		91	7.43	-41.88	-52.10	-51.64	-42.34	-2.11	718.58	256.89	270.02	705.44	-76.76
		97	4.82	-5.68	-33.52	-26.00	-13.20	12.36	501.61	59.60	59.62	501.59	2.68
81	71	96	1.83	-3.47	-17.94	-3.58	-17.83	1.24	145.40	91.50	91.65	145.26	2.78
		90	1.70	-0.28	-27.39	-0.43	-27.24	2.00	138.85	38.53	131.85	45.53	-25.55
		91	4.81	-21.51	-40.40	-26.03	-35.87	-8.06	451.19	174.54	211.00	414.72	-93.58
		97	3.21	1.86	-28.64	-15.82	-10.96	15.05	296.01	15.02	28.84	282.19	60.76
81	74	96	3.94	-1.74	-39.50	-1.83	-39.41	-1.84	306.58	182.54	183.42	305.70	10.42
		90	3.33	4.81	-53.57	4.49	-53.25	4.29	284.55	123.53	273.39	134.70	-40.90
		91	9.33	-29.49	-80.42	-39.08	-70.84	-19.90	882.01	334.01	409.82	806.20	-189.20
		97	6.51	1.14	-50.26	-24.19	-24.93	25.70	673.04	63.52	88.54	648.02	120.94
81	77	96	3.42	-3.86	-33.53	-4.23	-33.16	-3.28	269.74	151.84	153.37	268.21	13.34
		90	2.88	0.71	-46.81	0.63	-46.73	2.00	253.46	116.08	243.06	126.48	-36.33
		91	8.31	-31.45	-71.93	-42.59	-60.79	-18.07	788.59	311.85	369.98	730.46	-155.99
		97	5.64	-1.38	-46.05	-25.91	-21.52	22.23	557.43	32.22	56.57	533.08	110.43
81	80	96	1.84	-3.03	-18.29	-3.07	-18.26	-0.72	144.87	91.51	92.33	144.05	6.57
		90	1.73	0.18	-27.84	0.17	-27.83	-0.57	138.33	43.36	131.45	50.24	-24.62
		91	4.74	-18.73	-43.61	-25.23	-37.11	-10.93	442.57	172.05	207.39	407.23	-91.17
		97	3.12	0.82	-25.53	-14.44	-10.26	13.01	296.09	15.70	30.19	281.61	62.05
82	7	43	10.72	-8.16	-52.36	-10.00	-50.52	-8.83	1071.32	71.05	1057.22	85.15	-117.91
		19	13.38	26.42	-1.10	21.46	3.86	-10.58	-957.33	-1542.19	-1428.89	-1070.63	-231.14
		104	12.80	26.71	-34.40	-6.14	-1.55	-30.47	-272.63	-1269.96	-960.90	-581.68	-461.21
		49	11.41	-4.20	-43.25	-12.19	-35.26	-15.76	965.38	-204.77	738.76	21.85	-462.41
82	12	43	5.44	-12.79	-39.79	-19.34	-33.24	-11.57	560.32	73.15	559.40	74.07	-21.14
		19	3.75	7.34	-11.42	-3.46	-0.61	-9.27	-255.71	-405.82	-371.26	-290.26	-63.19
		104	4.77	17.09	-30.51	-9.77	-3.65	-23.60	-32.82	-350.35	-237.20	-145.97	-152.07
		49	3.66	-8.23	-25.74	-13.04	-20.93	-7.82	373.81	17.64	356.00	35.45	-77.62
82	69	43	3.06	-1.43	-12.15	-1.74	-11.84	-1.79	309.23	20.64	304.81	25.05	-35.42
		19	3.92	8.84	-1.62	7.55	-0.33	-3.44	-288.34	-450.02	-412.64	-325.72	-68.16
		104	3.70	7.10	-8.70	-0.53	-1.07	-7.89	-60.82	-366.97	-264.06	-163.73	-144.62
		49	3.38	1.50	-10.65	-1.86	-7.29	-5.43	277.53	-66.14	203.07	8.32	-141.58
82	74	43	8.07	-11.22	-35.39	-13.87	-32.74	-7.55	867.88	94.40	862.48	99.80	-64.40
		19	8.32	13.44	-5.24	7.86	0.34	-8.55	-601.24	-985.76	-913.62	-673.38	-150.11
		104	8.47	17.12	-28.58	-7.33	-4.13	-22.79	-141.21	-801.75	-599.27	-343.69	-304.54
		49	7.39	-3.00	-27.89	-10.72	-20.17	-11.52	680.88	-65.95	570.81	44.12	-264.74
82	77	43	5.93	-2.06	-20.65	-3.52	-19.19	-5.00	610.21	50.08	603.25	57.04	-62.07
		19	7.40	15.50	-4.49	12.04	-1.03	-7.56	-537.69	-858.92	-794.73	-601.87	-128.44
		104	6.94	11.20	-18.37	-2.58	-4.60	-14.75	-127.07	-690.30	-515.68	-301.69	-260.50
		49	6.37	4.17	-19.54	-3.55	-11.82	-11.11	532.96	-108.77	402.75	21.44	-258.08
82	80	43	3.05	0.05	-10.69	-1.32	-9.32	-3.59	308.84	21.90	304.79	25.95	-33.85
		19	3.88	9.21	-2.72	6.91	-0.42	-4.71	-288.20	-448.64	-413.28	-323.57	-66.50
		104	3.73	6.51	-10.21	-1.48	-2.23	-8.35	-63.89	-366.27	-266.41	-163.75	-142.21
		49	3.43	3.24	-10.90	-1.69	-5.98	-6.74	278.09	-63.90	204.67	9.52	-140.42

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

83	1	3	4.34	42.01	-31.65	6.29	4.07	-36.82	143.23	-72.92	9.11	61.20	-104.89
		20	14.10	-11.27	-98.40	-33.61	-76.06	38.05	1247.05	242.24	252.12	1237.17	-99.14
		93	3.79	-4.26	-69.12	-4.28	-69.11	-1.01	118.42	-34.53	-12.16	96.05	54.05
		99	2.16	10.08	-29.57	-15.77	-3.72	18.88	111.70	18.92	53.13	77.49	44.76
83	40	3	4.27	20.83	-48.84	-12.46	-15.55	-34.80	137.09	-100.62	-34.65	71.12	-106.44
		20	7.05	-1.12	-46.49	-1.86	-45.75	5.72	608.08	156.01	169.65	594.43	-77.35
		93	3.51	10.13	-57.60	1.01	-48.48	-23.12	283.10	90.83	158.65	215.29	-91.87
		99	2.36	12.11	-5.26	6.76	0.10	-8.02	27.03	-189.50	-188.34	25.87	15.77
83	56	3	2.72	16.42	-21.08	-1.46	-3.20	-18.73	79.61	-100.82	-50.86	29.65	-80.74
		20	5.67	0.57	-42.74	-7.23	-34.94	16.64	459.07	94.66	117.87	435.86	-88.99
		93	2.99	6.29	-35.38	5.57	-34.65	-5.44	249.99	68.97	133.46	185.50	-86.69
		99	2.01	5.07	-3.32	3.52	-1.76	3.26	-6.67	-191.82	-191.41	-7.08	-8.70
83	74	3	3.82	24.30	-26.52	-0.95	-1.27	-25.41	113.97	-145.51	-73.23	41.70	-116.32
		20	8.71	-2.24	-65.96	-15.45	-52.75	25.83	704.12	128.02	167.85	664.28	-146.17
		93	4.65	9.55	-52.36	9.34	-52.15	-3.57	376.81	88.47	191.89	273.38	-138.29
		99	3.11	10.26	-4.58	5.65	0.03	6.87	-10.55	-297.03	-295.98	-11.60	-17.30
83	77	3	3.30	19.45	-22.32	-1.42	-1.45	-20.89	102.81	-134.14	-76.02	44.68	-101.95
		20	7.49	3.93	-50.82	-5.06	-41.82	20.29	624.66	130.76	164.29	591.14	-124.23
		93	3.87	10.62	-43.00	10.07	-42.45	-5.39	329.65	86.77	176.84	239.59	-117.31
		99	2.79	6.72	-1.68	6.11	-1.06	2.19	-14.02	-267.94	-267.41	-14.55	-11.64
83	80	3	2.42	14.09	-17.95	-1.45	-2.41	-16.01	73.18	-95.37	-53.36	31.17	-72.91
		20	5.30	3.68	-36.58	-2.78	-30.12	14.77	439.55	96.96	118.23	418.28	-82.67
		93	2.70	7.16	-31.35	6.39	-30.59	-5.37	229.73	71.73	127.29	174.17	-75.45
		99	1.92	4.40	-2.27	3.96	-1.83	1.66	-8.85	-183.29	-183.18	-8.97	-4.52
84	7	99	10.84	44.42	5.05	39.46	10.01	13.06	-72.75	-1001.22	-991.20	-82.76	-95.91
		93	9.44	27.79	-75.34	27.74	-75.29	-2.32	921.84	317.42	576.17	663.09	-299.07
		94	7.13	44.97	-67.50	44.80	-67.33	4.36	642.58	423.21	620.34	445.45	-66.21
		100	12.90	38.57	2.62	38.29	2.91	3.18	-213.76	-1282.07	-1281.61	-214.22	-22.15
84	16	99	2.54	10.46	-2.52	7.84	0.10	5.21	15.21	-216.84	-214.89	13.25	-21.20
		93	3.44	-0.02	-44.53	-0.06	-44.48	-1.41	242.69	116.62	146.93	212.37	-53.88
		94	2.03	8.12	-35.44	8.10	-35.42	-1.06	135.47	79.43	134.96	79.94	-5.33
		100	2.76	10.43	-8.79	6.54	-4.90	7.72	-36.44	-260.84	-260.79	-36.49	-3.29
84	48	99	2.30	7.65	-0.67	7.44	-0.46	1.30	0.71	-205.97	-205.30	0.03	-11.82
		93	2.65	4.84	-30.58	4.75	-30.49	-1.81	206.01	113.60	138.21	181.40	-40.85
		94	1.80	8.40	-26.97	8.15	-26.73	-2.95	122.87	60.61	122.73	60.75	2.96
		100	2.45	6.22	-5.26	5.85	-4.89	2.03	-39.89	-240.19	-240.18	-39.91	1.54
84	74	99	3.51	12.02	-0.42	11.12	0.48	3.23	-1.55	-317.90	-316.61	-2.84	-20.19
		93	4.11	7.10	-47.58	7.07	-47.55	1.27	310.35	155.38	197.99	267.73	-69.19
		94	2.86	14.32	-42.43	14.30	-42.41	-1.14	179.02	81.39	178.71	81.70	-5.45
		100	3.84	9.95	-6.85	8.90	-5.79	4.07	-64.31	-379.82	-379.78	-64.35	-3.43
84	77	99	3.14	10.01	-0.42	10.00	-0.41	-0.33	-4.87	-287.19	-286.55	-5.51	-13.47
		93	3.42	9.08	-38.00	9.03	-37.95	-1.56	273.52	145.03	182.92	235.62	-58.59
		94	2.52	13.16	-35.46	12.78	-35.07	-4.32	160.79	70.66	160.76	70.69	-1.56
		100	3.43	7.98	-5.84	7.96	-5.82	-0.44	-60.08	-340.20	-340.20	-60.08	0.64
84	80	99	2.17	7.15	-0.46	7.15	-0.46	-0.13	-1.52	-196.58	-196.35	-1.75	-6.68
		93	2.40	6.15	-26.71	5.96	-26.53	-2.44	190.53	112.15	131.74	170.94	-33.94
		94	1.69	8.38	-24.64	7.92	-24.19	-3.85	112.59	49.54	111.77	50.36	7.15
		100	2.30	5.47	-4.72	5.47	-4.72	0.03	-39.10	-225.44	-225.33	-39.20	4.40
85	7	100	12.94	46.36	1.93	41.54	6.75	13.82	-211.16	-1272.87	-1272.56	-211.48	-18.19
		94	6.97	42.46	-63.56	42.43	-63.53	-1.98	632.61	437.69	616.66	453.64	-53.43
		95	6.73	38.57	-62.42	38.57	-62.41	0.87	583.45	255.10	529.18	309.37	121.96
		101	11.33	29.97	5.95	29.94	5.99	0.90	-188.86	-1148.06	-1147.84	-189.08	14.65
85	10	100	2.25	16.39	-18.89	3.02	-5.52	-17.12	95.24	-46.51	58.55	-9.82	62.09
		94	2.93	16.85	-23.33	6.06	-12.54	-17.81	-111.12	-262.46	-158.66	-214.92	70.25
		95	3.07	10.56	-29.50	-1.10	-17.84	-18.20	-177.89	-247.51	-182.69	-242.71	-17.64
		101	1.96	15.86	-19.68	1.73	-5.55	-17.39	89.86	-16.95	82.88	-9.97	-26.39
85	64	100	2.41	7.07	-2.56	6.74	-2.22	-1.76	-35.72	-234.36	-234.19	-35.89	5.91
		94	1.73	10.13	-24.25	8.76	-22.88	-6.72	116.28	53.14	115.62	53.80	6.45
		95	1.61	7.54	-24.75	5.64	-22.85	-7.60	101.87	23.44	97.83	27.48	17.34
		101	2.13	6.28	-3.94	5.28	-2.94	-3.03	-34.88	-209.10	-209.08	-34.90	2.05
85	74	100	3.78	10.65	-4.21	9.57	-3.13	3.85	-58.71	-373.35	-373.26	-58.79	-5.18
		94	2.74	14.06	-39.15	14.03	-39.11	-1.30	176.36	80.31	176.01	80.66	-5.74
		95	2.78	12.40	-40.37	12.05	-40.02	-4.27	173.42	59.87	172.00	61.29	12.61
		101	3.50	7.94	-2.24	7.78	-2.08	1.26	-51.88	-351.47	-351.19	-52.16	-9.03
85	77	100	3.37	8.58	-3.13	8.56	-3.11	-0.49	-54.41	-334.14	-334.13	-54.41	-0.88
		94	2.41	13.25	-32.25	12.80	-31.80	-4.52	158.46	70.08	158.42	70.13	-1.99
		95	2.37	10.64	-35.07	9.53	-33.96	-7.03	151.23	51.20	149.10	53.33	14.44
		101	3.09	7.45	-2.64	6.81	-2.00	-2.46	-47.68	-310.97	-310.91	-47.74	-3.91
85	80	100	2.24	6.12	-1.90	6.12	-1.89	0.15	-34.84	-220.66	-220.60	-34.90	3.33
		94	1.59	8.59	-21.52	8.05	-20.98	-4.00	110.96	49.63	110.09	50.50	7.22
		95	1.53	6.27	-22.63	5.37	-21.73	-5.03	98.17	22.90	94.52	26.55	16.17
		101	1.94	4.30	-2.69	4.16	-2.55	-0.98	-30.99	-193.57	-193.57	-31.00	1.06
86	7	101	11.37	36.35	8.82	33.75	11.42	8.05	-195.48	-1146.34	-1146.05	-195.76	16.42
		95	6.59	38.70	-59.71	38.51	-59.52	-4.34	596.21	272.76	538.24	330.73	124.05
		96	6.85	13.84	-64.79	13.84	-64.79	-0.02	634.60	138.06	385.98	386.68	248.27
		102	7.35	21.42	16.73	20.79	17.36	1.60	-40.28	-730.89	-726.22	-44.94	56.56
86	10	101	1.84	17.00	-16.99	2.10	-2.10	-16.87	85.66	-16.46	79.54	-10.35	-24.23
		95	3.16	12.88	-27.54	0.40	-15.06	-18.67	-165.81	-258.81	-178.83	-245.78	-32.27
		96	2.88	-0.81	-31.84	-11.72	-20.93	-14.81	13.97	-170.39	-100.68	-55.74	-89.40
		102	2.26	13.84	-10.84	2.49	0.51	-12.30	111.49	-56.35	49.78	5.35	-80.93
86	64	101	2.11	6.76	-0.61	5.69	0.46	-2.60	-35.15	-210.82	-210.81	-35.16	1.16
		95	1.59	8.98	-22.03	6.89	-19.95	-7.77	104.04	25.79	100.70	29.12	15.80
		96	1.85	0.44	-23.81	-1.45	-21.92	-6.50	124.03	61.17	85.93	99.28	30.71
		102	1.56	6.08	1.69	5.31	2.47	-1.67	-5.11	-146.58	-146.19	-5.50	7.44
86	74	101	3.51	8.71	1.58	8.50	1.78	1.18	-53.88	-356.50	-356.09	-54.30	-11.19
		95	2.81	13.91	-37.86	13.44	-37.39	-4.92	178.22	60.62	177.41	61.43	9.72
		96	3.49	1.46	-42.90	1.07	-42.52	-4.11	250.41	151.24	177.88	223.77	43.95
		102	2.76	10.06	7.22	8.95	8.33	1.39	8.17	-263.27	-263.12	8.02	6.31
86	77	101	3.09	8.46	0.87	7.54	1.79	-2.48	-49.14	-315.18	-315.06	-49.26	-5.61
		95	2.39	12.21	-32.62	10.87	-31.28	-7.63	155.22	52.84	153.81	54.25	11.92
		96	3.09	-0.55	-37.59	-1.56	-36.59	-6.03	218.96	121.13	147.43	192.67	43.37
		102	2.41	8.84	6.37	7.72	7.49	-1.23	4.10	-230.11	-229.69	3.67	9.91
86	80	101	1.92	5.04	0.76	4.88	0.92	-0.82	-31.25	-195.16	-195.16	-31.25	-0.22
		95	1.49	7.45	-20.01	6.30	-18.87	-5.48	100.28	25.08	97.25	28.11	14.78
		96	1.74	-0.60	-22.27	-1.46	-21.41	-4.24	120.16	62.98	83.97	99.17	27.56
		102	1.40	4.17	2.89	4.17	2.89	-8.61e-03	-0.60	-134.11	-133.70	-1.01	7.40
87	1	102	1.75	13.59	-1.23	-0.83	13.20	-2.38	94.51	-49.54	-33.99	78.96	-44.70
		96	4.24	-1.62	-54.46	-2.01	-54.07	-4.53	280.08	84.00	108.52	255.56	-64.85
		97	10.41	-28.21	-62.21	-31.10	-59.32	-9.48	959.66	221.73	229.68	951.72	76.15
		103	3.31	31.97	-13.74	6.05	12.18	22.65	131.54	-74.52	-18.33	75.34	91.77
87	18	102	2.34	15.38	-9.58	1.60	4.19	-12.41	121.91	-52.61	51.09	18.21	-85.70

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		96	2.94	0.60	-26.90	-8.79	-17.52	-13.04	17.93	-189.60	-100.10	-71.57	-102.78
		97	4.55	-17.64	-34.42	-30.93	-21.13	-6.81	450.93	55.74	56.39	450.28	-16.02
		103	0.34	4.15	-2.70	-1.18	2.63	2.84	18.89	5.49	11.41	12.97	-6.65
87	64	102	1.37	7.62	3.21	4.74	6.08	-2.10	-4.30	-133.00	-132.51	-4.79	7.92
		96	1.99	2.12	-19.80	0.97	-18.65	-4.89	150.13	32.67	78.68	104.12	57.34
		97	3.11	-12.69	-22.90	-15.41	-20.19	-4.51	269.23	43.66	60.70	252.20	59.60
		103	1.27	9.08	-4.98	-0.18	4.29	6.67	43.15	-52.11	-27.56	18.60	41.66
87	74	102	2.40	13.23	7.35	7.42	13.15	-0.65	8.41	-239.04	-238.91	8.28	5.67
		96	3.72	4.71	-39.60	4.67	-39.56	-1.36	297.78	96.43	164.52	229.69	95.25
		97	6.79	-23.87	-44.34	-24.86	-43.35	-4.40	606.41	119.17	147.98	577.59	114.93
		103	2.81	21.06	-12.01	-1.00	10.04	15.58	109.68	-91.35	-45.87	64.19	84.12
87	77	102	2.10	13.41	5.29	6.57	12.13	-2.96	5.17	-207.97	-207.53	4.73	9.67
		96	3.34	1.96	-34.06	1.56	-33.67	-3.74	261.55	71.16	135.01	197.70	89.88
		97	5.73	-24.94	-38.22	-26.32	-36.84	-4.06	511.63	91.54	119.30	483.86	104.36
		103	2.39	17.94	-10.08	-0.87	8.73	13.16	89.01	-82.30	-40.20	46.91	73.76
87	80	102	1.21	6.88	3.67	3.85	6.70	-0.74	0.44	-121.14	-120.72	0.03	7.09
		96	1.87	1.05	-18.76	0.54	-18.25	-3.13	145.54	34.80	76.74	103.61	53.72
		97	3.04	-14.34	-20.80	-15.13	-20.01	-2.12	269.43	45.97	61.82	253.59	57.36
		103	1.31	9.61	-6.15	-0.63	4.09	7.52	45.88	-46.63	-22.25	21.50	40.75
88	7	49	11.75	-8.64	-52.14	-18.05	-42.72	-17.92	989.28	-209.69	733.80	45.78	-490.96
		104	15.42	36.56	-28.62	-2.57	10.50	-31.93	-218.38	-1518.90	-963.63	-773.65	-643.28
		61	11.18	5.98	-49.45	-38.24	-5.23	-22.27	871.20	-219.41	-83.21	734.99	-360.55
		55	6.09	7.15	-24.62	-7.12	-10.36	-15.80	420.46	-172.38	155.01	93.07	-294.80
88	12	49	3.66	-4.38	-34.11	-15.81	-22.68	-14.46	349.73	19.33	329.96	39.11	-78.38
		104	5.45	19.64	-26.29	-7.79	1.14	-22.53	-11.02	-420.17	-238.95	-192.24	-203.23
		61	3.78	9.67	-32.08	-15.79	-6.62	-20.37	278.66	-25.18	-1.31	254.79	-81.76
		55	1.22	7.98	-0.29	5.29	2.40	-3.87	74.30	-30.96	40.22	3.12	-49.25
88	44	49	3.49	0.59	-15.83	-3.85	-11.39	-7.29	277.58	-65.78	200.17	11.62	-143.48
		104	4.75	12.72	-11.66	-0.16	1.23	-12.17	-45.62	-442.18	-268.63	-219.16	-196.73
		61	3.51	-0.55	-17.82	-13.34	-5.02	-7.56	305.31	-37.27	-10.46	278.49	-92.01
		55	1.80	4.62	-6.60	-1.39	-0.59	-5.60	117.74	-49.98	40.00	27.76	-83.64
88	74	49	7.39	-4.51	-33.48	-13.89	-24.09	-13.56	675.07	-59.39	551.60	64.08	-274.66
		104	10.19	22.68	-24.54	-5.04	3.18	-23.25	-105.84	-964.50	-600.37	-469.96	-424.35
		61	7.33	1.10	-33.80	-24.89	-7.80	-15.22	634.97	-80.53	-20.54	574.98	-198.30
		55	3.48	8.86	-9.37	0.58	-1.09	-9.08	240.27	-94.31	99.34	46.62	-165.20
88	77	49	6.36	0.42	-21.55	-5.77	-15.35	-9.89	542.61	-104.41	398.69	39.52	-269.09
		104	8.50	16.75	-15.76	-0.44	1.42	-16.23	-98.07	-833.75	-519.23	-412.59	-363.95
		61	6.34	-4.98	-26.36	-22.60	-8.74	-8.13	581.17	-62.82	-13.20	531.54	-171.74
		55	3.24	6.44	-10.72	-2.87	-1.40	-8.54	223.31	-89.98	80.31	53.02	-156.05
88	80	49	3.42	1.05	-12.18	-3.05	-8.07	-6.12	281.79	-62.98	202.47	16.34	-145.11
		104	4.57	9.67	-8.64	-0.19	1.22	-9.13	-43.98	-442.17	-268.33	-217.82	-197.49
		61	3.39	-2.60	-14.91	-12.78	-4.73	-4.65	304.02	-39.19	-11.56	276.39	-93.37
		55	1.81	4.03	-6.34	-1.61	-0.70	-5.16	122.50	-49.97	44.66	27.87	-85.82
89	1	105	3.48	-3.10	-62.30	-5.73	-59.68	-12.19	71.57	-73.13	52.66	-54.22	-48.77
		99	3.04	13.89	-39.00	-13.35	-11.76	26.43	55.07	-91.14	3.05	-39.12	-70.00
		3	4.90	51.68	-44.78	-2.37	9.27	-47.87	83.72	-113.17	34.71	-64.16	85.14
		23	11.52	-0.47	-104.19	-26.65	-78.00	45.06	-166.70	-899.21	-178.92	-887.00	93.80
89	32	105	3.81	4.07	-45.70	4.03	-45.66	-1.53	28.04	-253.13	-61.94	-163.15	131.16
		99	3.08	22.82	-30.79	0.39	-8.36	26.45	222.80	10.90	221.65	12.05	15.61
		3	3.47	32.08	-30.02	1.21	0.86	-31.05	103.37	-54.59	29.76	19.01	78.80
		23	6.55	-7.87	-88.65	-35.74	-60.78	38.40	33.20	-328.06	-17.71	-277.15	125.70
89	64	105	2.82	7.14	-30.76	6.88	-30.50	-3.14	6.42	-210.01	-64.51	-139.08	101.59
		99	2.39	12.56	-15.80	3.09	-6.33	13.37	208.47	21.09	208.15	21.41	7.72
		3	2.47	21.26	-18.36	0.83	2.07	-19.80	92.17	-45.43	51.52	-4.78	62.78
		23	5.06	2.16	-54.97	-14.63	-38.17	26.03	-4.97	-302.64	-47.67	-259.95	104.33
89	74	105	3.94	11.34	-47.14	9.36	-45.16	-10.56	0.82	-309.59	-99.79	-208.98	145.28
		99	3.43	14.31	-11.20	8.29	-5.18	10.83	317.81	27.51	317.81	27.51	-1.03
		3	3.94	30.45	-32.02	-4.85	3.28	-30.97	138.06	-85.45	86.07	-33.45	94.44
		23	7.52	2.73	-70.16	-12.62	-54.80	29.73	-44.41	-511.11	-102.38	-453.14	153.92
89	77	105	3.61	11.13	-37.79	10.77	-37.44	-4.15	5.63	-274.02	-85.26	-183.13	130.99
		99	3.14	13.98	-14.50	5.65	-6.17	12.96	290.44	32.78	290.35	32.87	4.79
		3	3.09	26.07	-20.10	0.43	5.54	-22.94	123.41	-65.03	79.35	-20.98	79.75
		23	6.68	4.76	-64.46	-13.32	-46.38	30.41	-23.26	-434.65	-79.82	-378.09	141.66
89	80	105	2.55	7.62	-27.25	7.29	-26.92	-3.38	0.18	-193.94	-62.10	-131.65	90.62
		99	2.22	10.40	-12.58	3.56	-5.74	10.51	199.83	22.40	199.73	22.51	4.27
		3	2.23	18.62	-15.56	0.68	2.38	-17.07	88.11	-43.92	54.54	-10.35	57.49
		23	4.69	4.29	-47.19	-10.00	-32.90	23.05	-13.77	-295.24	-53.03	-255.98	97.52
90	7	106	4.97	44.62	-53.97	44.60	-53.95	-1.51	-285.99	-360.97	-306.36	-340.60	33.35
		100	13.08	38.85	2.84	37.18	4.51	-7.58	1305.59	209.39	1305.49	209.48	-10.07
		99	10.96	47.24	7.30	43.50	11.04	11.63	1005.20	71.31	1002.67	73.84	48.56
		105	7.83	33.38	-68.31	31.63	-66.56	-13.24	-129.43	-727.36	-341.53	-515.25	286.07
90	26	106	2.46	14.25	-37.79	5.63	-29.17	19.34	-46.00	-92.03	-57.15	-80.89	19.72
		100	2.91	24.52	-31.93	-0.21	-7.20	28.01	186.82	15.18	184.55	17.44	19.58
		99	3.11	25.81	-18.12	8.52	-0.82	21.47	193.95	-7.53	180.33	6.09	50.58
		105	3.58	3.00	-47.63	-6.30	-38.33	19.60	-5.85	-172.31	-47.99	-130.17	72.38
90	64	106	1.50	9.46	-24.33	8.93	-23.80	4.21	-43.17	-57.32	-43.22	-57.28	-0.81
		100	2.59	10.03	-9.89	5.11	-4.97	8.59	249.56	37.99	249.55	37.99	-0.30
		99	2.59	14.34	-4.92	9.71	-0.29	8.23	220.91	8.25	219.89	9.27	14.73
		105	2.51	3.75	-29.84	3.26	-29.34	4.05	-32.98	-157.98	-60.61	-130.35	51.87
90	74	106	2.19	13.91	-36.05	13.86	-36.00	-1.60	-54.86	-76.20	-55.27	-75.79	-2.93
		100	3.95	9.05	-6.29	8.27	-5.51	3.37	395.98	62.65	395.76	62.87	-8.60
		99	3.76	14.41	-0.56	13.29	0.55	3.93	338.85	8.35	338.48	8.71	11.01
		105	3.60	7.63	-43.71	7.62	-43.69	-0.79	-58.24	-237.28	-95.18	-200.34	72.45
90	77	106	1.90	13.04	-31.31	12.86	-31.13	2.83	-48.76	-65.95	-49.20	-65.50	-2.72
		100	3.55	10.15	-8.83	7.07	-5.75	6.99	354.76	58.69	354.67	58.79	-5.26
		99	3.44	15.67	-3.11	12.46	0.10	7.07	308.07	16.02	307.52	16.57	12.67
		105	3.23	6.96	-37.02	6.55	-36.61	4.22	-45.80	-208.39	-80.51	-173.68	66.62
90	80	106	1.33	8.73	-21.65	8.51	-21.43	2.57	-34.95	-51.98	-37.17	-49.76	-5.73
		100	2.40	7.81	-7.72	4.79	-4.70	6.15	235.10	37.40	235.06	37.44	-2.98
		99	2.42	12.28	-3.27	9.17	-0.16	6.22	211.59	9.58	211.08	10.09	10.17
		105	2.25	4.56	-25.76	4.28	-25.48	2.88	-35.95	-147.10	-58.63	-124.41	44.80
91	7	107	5.06	36.79	-47.74	36.54	-47.50	-4.54	-42.61	-400.82	-214.11	-229.32	-178.94
		101	11.62	32.25	4.48	29.34	7.40	-8.52	1176.40	187.48	1173.88	190.01	-49.90
		100	13.15	44.87	6.08	42.73	8.21	8.84	1296.26	204.66	1295.78	205.14	-22.99
		106	4.89	42.19	-51.59	41.09	-50.49	-10.08	-294.24	-360.53	-303.97	-350.80	23.45
91	32	107	1.57	12.90	-27.33	10.03	-24.45	10.36	-24.79	-71.71	-42.88	-53.62	-22.84
		101	2.73	17.17	-16.95	4.91	-4.68	16.37	243.51	30.19	243.51	30.19	-0.80
		100	3.17	22.98	-17.90	7.54	-2.47	19.82	269.70	33.07	269.34	33.42	9.14
		106	2.11	11.51	-34.15	8.08	-30.72	12.03	-40.94	-74.34	-44.79	-70.49	10.66
91	64	107	1.22	7.77	-19.53	7.58	-19.35	2.25	-8.16	-69.42	-34.67	-42.91	-30.35
		101	2.20	7.98	-6.54	4.39	-2.94	6.27	217.23	29.23	216.92	29.54	-7.63

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		100	2.57	12.08	-7.40	6.59	-1.91	8.76	245.28	35.38	245.28	35.38	0.24
		106	1.36	8.60	-21.32	8.07	-20.78	3.97	-41.89	-57.24	-42.07	-57.06	-1.65
91	74	107	2.22	12.03	-32.77	11.48	-32.23	-4.92	-6.07	-99.53	-41.56	-64.05	-45.36
		101	3.63	7.73	-1.66	7.73	-1.65	0.22	366.06	51.48	365.29	52.25	-15.63
		100	3.92	10.42	-3.60	9.58	-2.76	3.34	389.79	57.59	389.61	57.77	-7.80
		106	2.05	13.03	-32.94	12.94	-32.86	-1.99	-52.89	-76.10	-53.29	-75.70	-3.03
91	77	107	1.84	10.90	-28.33	10.89	-28.32	-0.71	-7.34	-87.34	-39.13	-55.55	-39.15
		101	3.20	8.29	-3.29	6.71	-1.71	3.98	323.20	45.17	322.71	45.66	-11.64
		100	3.53	11.96	-6.08	8.64	-2.75	7.00	349.07	54.38	349.00	54.45	-4.68
		106	1.76	11.94	-28.26	11.79	-28.11	2.49	-47.05	-65.66	-47.45	-65.27	-2.69
91	80	107	1.16	6.85	-18.11	6.83	-18.09	0.61	0.85	-61.54	-26.26	-34.44	-30.93
		101	2.01	6.00	-4.46	3.99	-2.46	4.12	201.00	27.83	200.61	28.23	-8.29
		100	2.37	9.76	-5.18	6.21	-1.63	6.35	230.69	34.18	230.65	34.22	-2.84
		106	1.20	8.01	-18.61	7.81	-18.42	2.29	-33.82	-52.24	-36.11	-49.94	-6.08
92	7	108	7.18	16.44	-51.87	16.13	-51.56	-4.59	128.29	-538.46	-146.69	-263.48	-328.22
		102	7.76	27.48	14.53	21.92	20.09	-6.41	766.12	49.13	756.45	58.79	-82.68
		101	11.61	34.94	12.47	34.70	12.71	2.31	1170.98	193.67	1167.45	197.20	-58.61
		107	5.47	37.74	-46.06	36.29	-44.60	-10.94	-55.24	-422.04	-222.01	-255.28	-182.64
92	32	108	1.74	11.30	-21.44	9.84	-19.98	6.77	-15.82	-138.03	-55.94	-97.90	-57.39
		102	2.02	15.04	-9.45	5.30	0.28	11.99	177.14	-2.46	176.46	-1.79	-11.00
		101	2.72	19.42	-14.91	5.71	-1.21	16.81	244.30	32.69	244.30	32.70	0.74
		107	1.51	13.56	-24.39	10.70	-21.53	10.02	-25.52	-73.96	-43.94	-55.55	-23.51
92	64	108	1.71	4.60	-18.32	4.56	-18.27	0.99	0.76	-125.87	-40.91	-84.20	-59.50
		102	1.63	8.55	-0.75	4.98	2.82	4.52	156.02	-2.46	154.27	-0.71	-16.57
		101	2.18	9.91	-4.12	5.17	0.62	6.64	217.93	30.98	217.69	31.22	-6.70
		107	1.15	8.64	-16.56	8.50	-16.43	1.83	-9.44	-71.63	-35.95	-45.12	-30.75
92	74	108	3.43	4.91	-35.55	4.29	-34.93	-4.97	0.54	-225.45	-62.43	-162.49	-101.32
		102	2.99	10.59	9.36	10.22	9.72	-0.56	284.27	-4.32	281.22	-1.27	-29.51
		101	3.61	8.35	2.21	8.35	2.22	0.20	369.17	54.73	368.49	55.41	-14.63
		107	2.19	13.86	-30.13	13.15	-29.42	-5.55	-8.49	-102.33	-44.09	-66.74	-45.53
92	77	108	2.89	4.91	-30.68	4.86	-30.62	-1.43	-4.60	-197.47	-57.93	-144.14	-86.27
		102	2.57	11.08	6.23	8.75	8.57	2.42	246.27	-6.57	244.10	-4.39	-23.37
		101	3.18	9.60	-0.04	7.41	2.15	4.04	325.79	47.97	325.38	48.39	-10.68
		107	1.79	12.39	-25.51	12.34	-25.46	-1.31	-9.72	-89.64	-41.30	-58.06	-39.07
92	80	108	1.65	3.22	-17.85	3.22	-17.85	-0.14	5.77	-113.83	-32.15	-75.91	-55.65
		102	1.48	6.97	1.03	4.61	3.39	2.91	142.72	-2.69	141.15	-1.12	-15.05
		101	1.99	7.74	-1.80	4.82	1.11	4.39	201.66	29.02	201.30	29.37	-7.85
		107	1.10	7.76	-15.18	7.76	-15.18	0.14	-0.93	-63.32	-27.55	-36.70	-30.86
93	7	44	8.57	-29.29	-62.46	-34.26	-57.49	-11.84	120.19	-636.48	-71.67	-444.62	-329.18
		103	4.52	38.26	-19.61	-7.29	25.93	23.69	190.27	-112.15	123.06	-44.94	-125.74
		102	7.20	31.04	18.57	24.79	24.83	-6.24	703.27	57.55	691.30	69.52	-87.09
		108	8.66	19.44	-47.89	19.42	-47.88	-0.93	229.72	-670.14	-150.32	-290.09	-444.47
93	26	44	2.60	10.92	-17.92	10.85	-17.86	1.33	-33.95	-216.88	-69.53	-181.31	-72.40
		103	1.66	16.00	-10.21	1.07	4.72	12.98	40.68	-55.28	22.37	-36.97	-37.71
		102	1.78	16.64	-12.56	0.89	3.19	14.55	117.02	-16.80	114.91	-14.69	-16.66
		108	2.48	15.93	-20.37	9.90	-14.33	13.52	-7.08	-174.13	-72.52	-108.70	-81.54
93	48	44	2.58	-6.71	-18.87	-7.89	-17.70	-3.59	5.26	-201.05	-30.71	-165.08	-78.28
		103	1.25	11.92	-5.77	-0.05	6.20	8.27	45.22	-31.13	25.36	-11.27	-33.49
		102	1.45	6.99	4.78	5.32	6.44	0.95	142.11	1.17	140.81	2.47	-13.50
		108	1.97	5.45	-15.14	5.45	-15.14	0.02	35.65	-147.12	-32.64	-78.83	-88.42
93	74	44	5.51	-15.50	-41.50	-19.21	-37.80	-9.09	-0.56	-430.50	-68.78	-362.29	-157.08
		103	2.65	26.47	-11.44	-0.28	15.31	17.28	93.26	-66.91	52.36	-26.01	-69.84
		102	2.72	15.21	6.56	8.86	12.92	-3.82	262.38	-2.07	259.82	0.49	-25.87
		108	3.86	7.63	-31.30	7.62	-31.29	-0.72	53.21	-285.96	-64.89	-167.86	-161.58
93	77	44	4.74	-13.33	-34.54	-14.83	-33.04	-5.43	-6.57	-380.07	-64.50	-322.14	-135.21
		103	2.34	23.41	-11.01	-0.50	12.89	15.85	74.96	-62.49	41.42	-28.94	-59.04
		102	2.30	11.86	7.59	7.60	11.85	-0.19	226.99	-5.03	225.30	-3.33	-19.75
		108	3.21	7.86	-27.14	7.73	-27.01	2.11	40.86	-249.40	-59.89	-148.65	-138.18
93	80	44	2.49	-7.17	-18.02	-7.53	-17.66	-1.94	1.31	-200.00	-32.83	-165.86	-75.55
		103	1.28	12.35	-6.77	-0.47	6.04	8.99	41.53	-33.12	21.77	-13.36	-32.93
		102	1.32	7.84	3.41	4.47	6.78	1.88	131.15	-2.57	129.87	-1.30	-13.01
		108	1.83	5.03	-14.71	4.94	-14.61	1.39	31.87	-143.23	-32.98	-78.38	-84.56
94	7	19	11.56	22.94	-46.87	22.72	-46.65	3.89	-883.38	-1332.43	-1220.97	-994.84	-193.98
		122	17.04	187.34	55.38	88.99	153.73	-57.49	-1061.76	-1367.21	-1124.05	-1304.92	-123.07
		110	8.03	57.74	-52.36	-48.50	53.88	20.25	-66.25	-524.42	-477.87	-112.80	138.42
		104	12.56	67.52	-40.87	13.38	13.27	-54.20	-510.27	-1254.52	-1036.05	-728.74	-338.92
94	17	19	3.22	-1.22	-18.86	-1.23	-18.85	-0.37	-218.28	-328.81	-278.23	-268.87	-55.07
		122	5.97	67.43	14.52	27.18	54.77	-22.57	-385.09	-454.31	-391.65	-447.75	-20.27
		110	2.10	20.99	-12.28	-12.18	20.89	1.80	-45.76	-151.11	-140.04	-56.83	32.31
		104	4.54	27.76	-27.04	-0.60	1.32	-27.38	-105.08	-355.38	-251.93	-208.53	-123.26
94	49	19	3.41	7.69	-14.66	7.69	-14.66	0.05	-266.11	-384.95	-347.57	-303.50	-55.18
		122	5.12	53.36	12.44	24.62	41.18	-18.71	-327.07	-414.37	-331.54	-409.90	-19.24
		110	2.06	15.94	-13.25	-11.30	13.99	7.28	-21.29	-137.02	-113.68	-44.63	46.44
		104	3.84	20.79	-16.44	4.13	0.22	-18.51	-134.64	-359.46	-283.31	-210.79	-106.40
94	74	19	7.41	9.48	-30.50	9.48	-30.50	0.06	-560.17	-839.70	-771.77	-628.11	-119.89
		122	10.25	104.11	30.35	48.87	85.59	-31.99	-660.03	-857.34	-703.44	-813.92	-81.74
		110	4.96	25.08	-30.38	-27.32	22.02	12.67	-12.74	-340.16	-305.53	-47.36	100.68
		104	8.14	40.39	-33.65	4.13	2.61	-37.02	-292.46	-774.88	-629.76	-437.58	-221.24
94	77	19	6.49	13.45	-23.66	13.38	-23.59	1.61	-503.59	-744.04	-686.25	-561.38	-102.74
		122	8.50	84.31	21.08	39.08	66.31	-28.53	-548.21	-704.73	-557.44	-695.50	-36.87
		110	3.72	26.36	-24.87	-20.52	22.01	14.27	-19.64	-239.97	-186.09	-73.53	94.71
		104	6.75	31.31	-24.97	6.82	-0.48	-27.90	-257.92	-669.25	-546.92	-380.25	-188.03
94	80	19	3.36	7.77	-12.48	7.76	-12.47	0.44	-266.62	-384.54	-350.15	-301.01	-53.60
		122	4.82	46.40	10.42	20.61	36.20	-16.21	-320.81	-405.79	-327.16	-399.44	-22.34
		110	2.10	14.57	-13.45	-10.81	11.93	8.19	-20.98	-142.42	-119.10	-44.30	47.83
		104	3.69	17.69	-14.30	3.64	-0.24	-15.88	-134.78	-357.65	-283.57	-208.86	-104.99
95	1	111	4.83	-6.75	-91.19	-14.96	-82.98	-25.02	-53.75	-185.53	-56.13	-183.15	17.54
		105	3.28	4.26	-69.25	-2.55	-62.43	21.32	36.29	-94.69	14.29	-72.69	-48.96
		23	11.48	1.43	-114.16	-36.88	-75.85	-54.41	-164.40	-1046.03	-198.38	-1012.05	169.72
		8	16.84	-13.01	-99.43	-36.09	-76.36	38.23	-328.89	-1601.09	-328.93	-1601.06	6.60
95	29	111	1.87	9.13	-25.67	5.43	-21.97	-10.74	20.18	-52.98	16.33	-49.13	-16.35
		105	2.15	10.88	-17.83	10.51	-17.46	-3.24	96.09	-84.12	28.88	-16.91	-87.15
		23	5.56	9.62	-30.02	4.71	-25.11	-13.06	-99.96	-512.51	-102.19	-510.27	30.26
		8	7.36	17.81	-12.84	17.60	-12.62	2.54	-165.80	-756.21	-165.87	-756.14	-6.61
95	64	111	3.52	1.46	-39.87	-0.92	-37.50	-9.62	-136.07	-271.67	-146.60	-261.14	36.29
		105	3.32	9.99	-35.79	5.64	-31.44	13.43	-7.95	-181.85	-43.04	-146.76	69.79
		23	4.05	2.29	-54.24	-13.25	-38.70	-25.24	-4.05	-350.07	-58.89	-295.24	126.36
		8	5.82	3.59	-48.25	-12.92	-31.74	24.15	-125.16	-507.10	-126.12	-506.15	19.07
95	74	111	5.26	5.58	-62.19	-0.23	-56.38	-18.97	-208.28	-407.53	-226.56	-389.25	57.52
		105	4.53	14.59	-46.49	12.83	-44.72	10.23	-20.01	-274.25	-71.74	-222.52	102.35
		23	6.48	6.34	-83.12	-19.78	-57.00	-40.67	-35.91	-587.12	-112.36	-510.67	190.51

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		8	8.88	4.19	-60.09	-9.87	-46.02	26.58	-203.79	-802.63	-204.49	-801.92	20.54
95	77	111	4.69	5.40	-50.16	3.57	-48.33	-9.91	-188.85	-367.41	-203.37	-352.89	48.79
		105	4.20	13.02	-42.90	9.08	-38.96	14.32	-10.07	-242.28	-58.35	-194.00	94.24
		23	5.43	4.86	-61.10	-11.49	-44.75	-28.48	-18.43	-498.78	-89.35	-427.85	170.41
		8	8.11	7.74	-60.25	-10.06	-42.46	29.89	-180.81	-715.22	-182.25	-713.79	27.68
95	80	111	3.29	2.92	-34.97	1.24	-33.30	-7.79	-131.17	-259.81	-140.42	-250.57	33.22
		105	3.02	9.68	-31.27	6.14	-27.72	11.52	-10.37	-170.96	-41.58	-139.76	63.54
		23	3.76	3.31	-45.05	-8.39	-33.36	-20.70	-9.39	-337.40	-59.58	-287.21	118.09
		8	5.57	6.19	-41.50	-7.32	-27.99	21.49	-124.41	-493.78	-125.52	-492.67	20.19
96	7	112	8.54	37.66	-79.72	37.05	-79.10	-8.46	-683.52	-744.45	-732.89	-695.08	23.89
		106	5.57	42.77	-55.49	42.66	-55.39	-3.14	-222.25	-381.83	-230.96	-373.12	36.26
		105	8.28	32.90	-62.38	32.00	-61.48	-9.21	-79.70	-710.23	-239.03	-550.89	274.00
		111	10.01	26.13	-74.86	24.71	-73.45	-11.87	-608.67	-912.10	-627.07	-893.70	72.43
96	32	112	2.82	5.86	-47.21	5.83	-47.18	1.24	-140.03	-167.62	-167.21	-140.43	3.31
		106	2.41	13.13	-39.56	8.08	-34.51	15.50	-37.83	-78.10	-39.31	-76.62	7.57
		105	3.54	0.83	-44.51	-0.46	-43.22	7.53	-14.67	-196.74	-44.32	-167.08	67.23
		111	4.14	-10.95	-51.01	-10.95	-51.01	6.43e-03	-159.48	-283.60	-161.23	-281.84	14.66
96	64	112	2.20	7.90	-34.64	7.87	-34.61	1.13	-119.67	-154.44	-154.32	-119.80	-2.09
		106	1.65	9.59	-26.41	7.79	-24.61	7.85	-37.14	-62.43	-37.21	-62.36	-1.30
		105	2.65	5.30	-28.28	4.75	-27.73	4.25	-25.39	-167.63	-47.53	-145.50	51.56
		111	3.31	-0.29	-34.07	-0.34	-34.02	1.32	-151.93	-253.74	-153.26	-252.41	11.53
96	74	112	3.30	12.43	-53.67	12.16	-53.39	-4.24	-172.21	-235.49	-235.47	-172.23	1.10
		106	2.33	13.39	-37.68	13.32	-37.61	1.91	-49.22	-82.73	-49.25	-82.70	-1.01
		105	3.79	8.31	-42.00	8.23	-41.91	-2.03	-46.18	-254.76	-77.59	-223.35	74.60
		111	4.98	4.02	-51.79	3.63	-51.40	-4.65	-233.38	-381.63	-236.97	-378.03	22.82
96	77	112	2.90	13.10	-47.69	13.04	-47.63	1.92	-149.55	-213.01	-212.86	-149.70	-3.13
		106	2.07	12.54	-33.65	11.58	-32.69	6.57	-43.52	-72.43	-43.59	-72.36	-1.45
		105	3.42	8.82	-35.20	8.51	-34.88	3.72	-35.21	-222.41	-63.79	-193.83	67.33
		111	4.47	3.93	-45.33	3.78	-45.17	2.74	-209.95	-342.26	-212.09	-340.12	16.69
96	80	112	1.99	8.03	-31.65	7.99	-31.61	1.28	-107.64	-143.44	-143.15	-107.93	-3.22
		106	1.45	8.70	-23.53	7.42	-22.25	6.29	-31.18	-55.48	-32.12	-54.53	-4.69
		105	2.42	6.14	-24.50	5.71	-24.07	3.60	-27.06	-157.03	-45.40	-138.68	45.25
		111	3.10	1.81	-30.13	1.71	-30.04	1.71	-145.35	-243.50	-146.49	-242.36	10.52
97	7	113	7.19	33.40	-76.75	33.21	-76.57	-4.46	-510.04	-669.83	-651.32	-528.55	-51.14
		107	5.14	35.42	-50.42	35.34	-50.33	-2.72	-60.39	-373.44	-174.14	-259.69	-150.57
		106	5.42	42.70	-50.84	42.67	-50.81	-1.70	-217.58	-381.50	-226.31	-372.77	36.80
		112	8.43	39.40	-75.43	38.67	-74.70	-9.12	-694.63	-737.63	-733.12	-699.14	13.18
97	26	113	2.26	13.04	-37.22	10.67	-34.85	10.67	-114.11	-155.54	-153.59	-116.06	-8.78
		107	1.99	17.11	-34.05	6.12	-23.05	21.02	-48.23	-87.14	-60.19	-75.18	-17.96
		106	2.52	16.10	-39.22	3.95	-27.07	22.90	-47.94	-90.35	-52.42	-85.88	13.02
		112	2.71	6.98	-43.92	3.89	-40.83	12.15	-141.64	-161.19	-160.31	-142.52	-4.06
97	60	113	1.87	8.87	-30.13	8.82	-30.08	1.33	-89.73	-140.03	-137.00	-92.76	-11.96
		107	1.27	9.16	-21.63	7.80	-20.27	6.32	-11.21	-69.31	-32.75	-47.77	-28.06
		106	1.54	10.14	-23.14	8.42	-21.42	7.37	-37.23	-63.07	-37.23	-63.07	0.07
		112	2.10	8.26	-31.23	8.22	-31.19	1.29	-121.73	-153.61	-153.31	-122.03	-3.07
97	74	113	3.08	11.92	-51.08	11.83	-50.99	-2.38	-147.45	-221.43	-215.99	-152.90	-19.32
		107	2.21	11.85	-34.08	11.85	-34.08	-0.18	-11.80	-100.35	-40.36	-71.79	-41.39
		106	2.22	13.46	-34.49	13.43	-34.46	1.19	-49.06	-84.40	-49.10	-84.36	1.18
		112	3.20	13.27	-50.09	13.05	-49.87	-3.72	-175.36	-234.03	-234.03	-175.36	-0.35
97	77	113	2.75	12.65	-45.57	12.59	-45.51	1.93	-124.93	-198.85	-195.02	-128.76	-16.39
		107	1.86	11.43	-30.25	11.05	-29.87	3.97	-12.40	-88.63	-38.38	-62.65	-36.13
		106	1.97	13.22	-30.30	12.38	-29.46	5.98	-43.59	-73.31	-43.59	-73.31	0.43
		112	2.80	13.43	-44.33	13.35	-44.25	2.14	-151.84	-211.60	-211.34	-152.10	-3.90
97	80	113	1.75	7.98	-28.47	7.93	-28.41	1.36	-75.62	-126.82	-123.92	-78.52	-11.84
		107	1.15	7.73	-19.90	6.85	-19.02	4.85	-3.47	-61.12	-25.82	-38.76	-28.09
		106	1.35	9.39	-20.30	8.16	-19.07	5.92	-31.56	-56.03	-32.06	-55.52	-3.48
		112	1.90	8.39	-28.31	8.33	-28.25	1.44	-109.66	-142.55	-142.05	-110.16	-4.00
98	7	114	7.22	7.55	-73.28	7.47	-73.21	-2.45	-370.84	-603.69	-444.10	-530.43	-108.13
		108	6.57	14.81	-49.92	14.72	-49.84	2.33	95.10	-517.75	-125.82	-296.83	-294.25
		107	5.10	37.21	-46.26	37.16	-46.21	-2.05	-61.30	-378.24	-169.90	-269.65	-150.42
		113	7.19	34.53	-72.99	34.30	-72.76	-5.02	-518.13	-675.65	-652.42	-541.36	-55.86
98	29	114	1.41	-9.36	-26.93	-10.64	-25.64	-4.57	88.84	40.32	88.15	41.01	5.72
		108	1.76	-3.73	-19.88	-5.29	-18.32	-4.77	129.83	-5.01	84.28	40.54	63.78
		107	2.19	5.90	-17.65	2.68	-14.43	-8.09	189.35	140.57	144.69	185.23	13.58
		113	2.96	2.97	-22.20	1.64	-20.87	-5.63	264.53	165.77	165.88	264.42	3.35
98	58	114	2.19	4.54	-25.77	4.30	-25.53	2.68	-101.72	-160.17	-109.48	-152.41	-19.83
		108	1.57	6.70	-19.66	4.48	-17.44	7.33	-3.45	-127.89	-37.71	-93.64	-55.58
		107	1.23	10.25	-19.02	8.10	-16.86	7.64	-14.32	-69.61	-33.68	-50.24	-26.38
		113	1.82	9.61	-26.77	9.35	-26.51	3.09	-91.07	-140.19	-137.00	-94.26	-12.10
98	74	114	4.36	0.05	-49.48	0.01	-49.44	-1.49	-174.74	-317.16	-187.34	-304.57	-40.44
		108	3.27	4.50	-33.58	4.42	-33.49	1.78	-1.64	-232.49	-54.28	-179.85	-96.86
		107	2.15	12.91	-31.30	12.90	-31.28	-0.81	-12.94	-99.49	-39.58	-72.85	-39.95
		113	2.97	12.89	-47.94	12.82	-47.87	-2.05	-147.36	-222.89	-217.26	-153.00	-19.85
98	77	114	3.79	2.08	-43.57	2.02	-43.51	1.61	-158.98	-274.82	-168.06	-265.74	-31.14
		108	2.77	5.61	-29.91	4.92	-29.22	4.90	-6.13	-204.17	-51.07	-159.23	-82.95
		107	1.79	12.40	-27.31	12.09	-27.00	3.52	-13.61	-87.70	-37.63	-63.68	-34.68
		113	2.71	13.50	-42.42	13.43	-42.35	2.00	-125.44	-199.83	-196.04	-129.23	-16.36
98	80	114	2.07	2.06	-25.28	2.02	-25.23	1.12	-90.60	-147.39	-98.23	-139.76	-19.37
		108	1.52	4.36	-18.35	3.22	-17.21	4.96	3.03	-116.03	-29.22	-83.78	-52.91
		107	1.07	8.56	-16.91	7.69	-16.04	4.63	-4.59	-60.82	-25.39	-40.02	-27.15
		113	1.70	8.65	-25.26	8.59	-25.20	1.34	-76.83	-127.25	-124.30	-79.79	-11.85
99	7	115	8.87	-26.26	-84.83	-45.75	-65.34	-27.60	-175.01	-728.29	-183.49	-719.81	-67.99
		44	9.17	-0.53	-81.98	-36.97	-45.54	40.50	84.59	-718.78	-103.75	-530.45	-340.34
		108	7.91	17.55	-47.15	17.05	-46.66	-5.62	168.56	-584.29	-113.96	-301.77	-364.53
		114	7.65	10.07	-71.13	9.51	-70.57	6.72	-319.24	-684.69	-420.84	-583.08	-163.73
99	41	115	5.64	-18.67	-40.21	-35.19	-23.69	-9.10	-71.98	-562.68	-71.98	-562.68	0.55
		44	3.83	-8.32	-33.51	-24.98	-16.84	11.92	-39.05	-377.05	-39.86	-376.24	-16.50
		108	1.84	-1.09	-18.76	-4.12	-15.73	-6.67	130.83	2.84	78.42	55.25	62.94
		114	1.33	-8.62	-23.15	-8.72	-23.06	-1.20	84.90	53.49	84.29	54.10	4.34
99	42	115	3.24	-8.39	-21.92	-9.25	-21.05	-3.31	-67.18	-287.32	-67.74	-286.77	-11.03
		44	2.85	6.10	-28.02	-7.31	-14.61	16.66	-6.66	-235.26	-44.46	-197.46	-84.93
		108	1.54	5.43	-15.39	4.20	-14.15	4.91	12.68	-131.71	-31.81	-87.22	-66.67
		114	2.09	5.25	-23.48	3.94	-22.16	6.00	-81.72	-168.60	-97.02	-153.30	-33.10
99	74	115	7.27	-18.12	-57.16	-29.92	-45.36	-17.93	-137.88	-644.60	-139.28	-643.19	-26.66
		44	5.70	2.02	-53.77	-21.19	-30.56	27.50	-9.36	-508.66	-84.13	-433.89	-178.17
		108	3.71	6.18	-31.69	5.66	-31.17	-4.42	30.32	-253.85	-48.76	-174.77	-127.35
		114	4.46	2.52	-47.77	2.00	-47.25	5.06	-147.44	-350.42	-177.95	-319.91	-72.54
99	77	115	6.36	-16.62	-46.49	-23.66	-39.45	-12.68	-123.44	-568.76	-124.49	-567.71	-21.55
		44	5.07	4.95	-48.16	-16.62	-26.59	26.08	-13.16	-446.68	-77.05	-382.79	-153.68
		108	3.08	5.99	-26.80	5.98	-26.80	-0.29	21.42	-222.80	-46.20	-155.18	-109.28
		114	3.86	4.88	-42.14	3.79	-41.06	7.05	-136.18	-303.79	-159.73	-280.24	-58.25

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

99	80	115	3.26	-8.99	-23.89	-11.71	-21.18	-5.75	-64.47	-288.11	-65.15	-287.43	-12.31
		44	2.77	3.70	-26.76	-8.49	-14.57	14.93	-2.79	-233.92	-40.45	-196.26	-85.36
		108	1.63	4.46	-14.81	4.12	-14.47	2.52	18.94	-127.64	-26.57	-82.13	-67.82
		114	2.08	3.74	-22.90	3.22	-22.37	3.70	-77.10	-165.26	-93.33	-149.03	-34.17
100	1	104	10.32	29.19	-69.37	-24.75	-15.43	-49.06	-336.41	-877.34	-658.23	-555.53	-265.54
		110	6.54	19.46	-2.88	3.55	13.03	10.11	-372.62	-773.48	-546.30	-599.80	198.64
		67	16.08	-53.11	-109.52	-69.31	-93.32	-25.53	1304.19	-156.25	-131.84	1279.77	187.26
		61	10.75	31.70	-34.64	-32.20	29.26	-12.49	1055.17	292.73	334.39	1013.51	-173.28
100	28	104	3.99	9.17	-44.90	-15.02	-20.71	-26.89	-62.43	-242.05	-165.25	-139.23	-88.86
		110	2.82	7.31	-14.86	7.24	-14.78	1.30	-173.40	-292.03	-210.72	-254.71	55.09
		67	8.67	-29.77	-88.72	-52.37	-66.12	-28.66	659.32	-60.62	-59.45	658.15	29.00
		61	4.78	9.34	-26.35	-26.27	9.26	1.68	485.74	159.84	164.03	481.55	-36.71
100	44	104	3.56	10.40	-22.05	-6.31	-5.33	-16.22	-114.52	-310.36	-229.27	-195.62	-96.47
		110	2.64	14.26	2.93	3.26	13.93	1.90	-143.64	-272.16	-172.19	-243.62	53.42
		67	4.76	-19.41	-33.67	-24.12	-28.97	-6.71	390.35	-41.99	-34.26	382.62	57.28
		61	3.42	14.68	-12.85	-11.61	13.45	-5.69	300.33	60.12	87.21	273.23	-75.99
100	74	104	7.50	21.94	-43.22	-14.83	-6.45	-32.31	-282.77	-679.79	-523.79	-438.76	-193.90
		110	4.92	24.91	-0.11	2.05	22.75	7.04	-278.81	-554.16	-404.89	-428.08	137.19
		67	9.40	-34.18	-62.36	-46.10	-50.44	-13.93	752.32	-156.56	-127.35	723.12	160.28
		61	6.93	24.91	-25.16	-22.98	22.73	-10.22	637.56	138.04	191.15	584.45	-153.98
100	77	104	6.19	14.67	-31.90	-9.28	-7.94	-23.28	-240.60	-583.77	-451.52	-372.85	-167.01
		110	4.43	25.12	0.69	3.27	22.54	7.50	-218.90	-473.29	-277.76	-414.43	107.28
		67	8.09	-35.24	-50.17	-39.39	-46.02	-6.69	677.78	-81.69	-67.54	663.63	102.70
		61	6.13	21.72	-20.28	-19.49	20.93	-5.71	570.28	118.81	162.49	526.60	-133.47
100	80	104	3.38	8.16	-18.19	-5.59	-4.43	-13.16	-115.48	-310.30	-229.87	-195.92	-95.92
		110	2.54	13.42	1.28	2.41	12.30	3.53	-141.54	-271.03	-171.09	-241.48	54.34
		67	4.59	-20.63	-29.60	-22.97	-27.27	-3.94	379.54	-48.41	-40.47	371.61	57.74
		61	3.30	13.28	-10.82	-10.35	12.81	-3.34	301.89	63.60	92.44	273.05	-77.73
101	1	117	4.43	-1.40	-86.11	-8.71	-78.80	-23.78	-31.86	-147.17	-35.25	-143.78	19.48
		111	4.54	-15.50	-78.78	-17.72	-76.55	11.66	-131.53	-217.19	-132.41	-216.32	-8.60
		8	16.93	-0.93	-104.39	-40.59	-64.73	-50.30	-378.23	-1693.61	-383.10	-1688.74	79.88
		10	14.08	-9.35	-124.10	-36.41	-97.05	48.71	-206.11	-1250.19	-238.76	-1217.53	-181.73
101	10	117	4.08	21.62	-53.71	18.74	-50.83	14.46	-92.08	-250.83	-113.46	-229.44	-54.20
		111	4.21	12.98	-71.52	-24.60	-33.94	41.99	-126.23	-220.50	-126.24	-220.50	0.31
		8	4.28	1.08	-1.77	-1.37	0.68	-1.00	-94.09	-478.74	-115.58	-457.25	88.34
		10	7.91	-1.28	-140.75	-49.87	-92.16	66.45	-87.55	-522.78	-115.51	-494.82	-106.72
101	42	117	3.64	12.57	-41.94	12.55	-41.93	0.76	-77.50	-240.24	-102.67	-215.06	-58.85
		111	3.50	2.00	-42.54	-7.79	-32.76	18.44	-143.33	-250.29	-143.79	-249.84	6.93
		8	5.14	7.54	-23.23	-2.36	-13.33	-14.37	-128.30	-546.76	-136.98	-538.08	59.64
		10	6.17	0.31	-86.68	-22.84	-63.53	38.44	-71.83	-482.15	-105.52	-448.46	-112.64
101	74	117	5.41	10.37	-59.93	8.70	-58.26	-10.71	-106.86	-358.12	-151.66	-313.33	-96.17
		111	5.17	-1.27	-53.30	-2.90	-51.68	9.05	-232.33	-395.75	-233.48	-394.60	13.65
		8	8.80	13.19	-60.92	-12.34	-35.38	-35.22	-217.09	-874.33	-225.02	-866.40	71.77
		10	8.14	0.98	-95.33	-18.76	-75.59	38.88	-84.75	-683.70	-146.25	-622.20	-181.81
101	77	117	4.99	14.97	-55.86	14.89	-55.78	-2.41	-98.73	-334.27	-140.80	-292.20	-90.22
		111	4.80	1.08	-52.55	-4.56	-46.91	16.45	-211.35	-357.93	-211.99	-357.29	9.63
		8	7.79	11.74	-42.58	-4.68	-26.16	-24.94	-192.93	-797.94	-202.51	-788.36	75.53
		10	8.23	1.59	-102.37	-22.98	-77.80	44.16	-96.63	-678.63	-147.60	-627.66	-164.51
101	80	117	3.57	10.74	-39.95	10.60	-39.81	-2.63	-72.71	-235.27	-98.30	-209.68	-59.20
		111	3.39	0.44	-37.52	-4.99	-32.09	13.29	-144.87	-253.52	-145.24	-253.15	6.37
		8	5.32	9.00	-28.21	-3.00	-16.21	-17.39	-133.14	-552.52	-139.90	-545.75	52.82
		10	5.80	0.27	-75.11	-17.75	-57.08	32.16	-66.57	-468.04	-101.23	-433.38	-112.76
102	7	118	7.07	34.24	-69.75	33.76	-69.27	-7.06	-452.94	-577.71	-490.30	-540.35	-57.15
		112	8.70	37.99	-79.71	37.98	-79.70	-1.14	-694.56	-717.26	-697.26	-714.56	7.35
		111	10.05	21.09	-72.03	20.76	-71.69	-5.59	-562.51	-915.14	-578.60	-899.05	73.59
		117	9.73	28.22	-74.58	28.18	-74.54	-2.06	-271.98	-856.27	-420.28	-707.97	-254.28
102	30	118	2.62	9.03	-47.24	8.92	-47.13	-2.50	-86.12	-117.72	-104.30	-99.54	-15.62
		112	3.02	9.10	-51.60	3.28	-45.78	17.87	-143.80	-170.05	-168.13	-145.73	-6.85
		111	4.11	-6.04	-52.31	-12.78	-45.57	16.32	-162.17	-278.62	-163.48	-277.30	12.32
		117	4.26	-3.55	-62.59	-4.48	-61.66	7.38	-80.96	-259.60	-107.73	-232.83	-63.76
102	64	118	1.98	9.14	-34.03	8.89	-33.77	-3.31	-82.91	-100.85	-97.66	-86.10	-6.86
		112	2.30	8.76	-36.35	7.68	-35.27	6.90	-124.43	-159.54	-158.87	-125.10	-4.82
		111	3.39	-0.03	-33.92	-0.94	-33.01	5.47	-160.18	-263.62	-161.34	-262.47	10.87
		117	3.35	3.99	-40.33	3.93	-40.27	1.63	-82.88	-229.93	-105.05	-207.77	-52.61
102	74	118	2.90	10.00	-48.49	9.35	-47.83	-6.17	-132.79	-163.94	-159.66	-137.07	-10.73
		112	3.37	12.78	-54.14	12.70	-54.06	2.28	-180.05	-242.53	-242.41	-180.17	-2.70
		111	5.04	1.51	-50.34	1.47	-50.30	-1.37	-244.21	-394.28	-247.09	-391.40	20.59
		117	4.74	6.17	-53.60	6.11	-53.54	-1.90	-129.20	-335.21	-161.69	-302.71	-75.09
102	77	118	2.57	14.06	-45.78	14.05	-45.78	0.27	-101.27	-138.24	-134.03	-105.48	-11.75
		112	3.03	13.71	-49.82	12.67	-48.78	8.06	-156.51	-223.05	-222.37	-157.18	-6.65
		111	4.57	4.35	-45.14	3.38	-44.17	6.84	-224.03	-356.28	-225.47	-354.84	13.74
		117	4.44	8.80	-52.84	8.37	-52.41	5.14	-117.38	-312.67	-148.27	-281.77	-71.27
102	80	118	1.79	9.15	-31.21	9.12	-31.18	-1.11	-75.62	-92.11	-91.14	-76.59	-3.90
		112	2.10	8.87	-33.51	7.68	-32.32	6.99	-112.18	-149.26	-148.43	-113.01	-5.49
		111	3.19	2.58	-30.42	1.42	-29.26	6.08	-153.75	-253.38	-154.65	-252.47	9.45
		117	3.14	5.67	-36.76	5.47	-36.55	2.96	-84.57	-220.64	-103.42	-201.78	-47.01
103	7	119	5.78	28.50	-63.80	28.24	-63.55	-4.84	-316.74	-526.40	-433.45	-409.69	104.15
		113	7.29	33.08	-77.56	33.07	-77.55	1.11	-531.88	-653.73	-638.17	-547.43	-40.67
		112	8.53	37.76	-75.58	37.76	-75.57	-0.87	-689.79	-719.06	-698.36	-710.49	13.32
		118	6.94	36.47	-65.27	35.93	-64.73	-7.40	-449.31	-580.12	-487.45	-541.97	-59.46
103	29	119	2.46	-1.24	-19.92	-1.36	-19.80	1.50	212.43	125.83	129.29	208.97	-16.97
		113	3.03	0.69	-24.04	0.66	-24.02	-0.80	259.43	132.47	132.48	259.43	1.02
		112	2.61	6.45	-19.19	6.33	-19.07	-1.74	225.46	105.71	107.84	223.33	-15.84
		118	2.23	4.32	-16.04	4.32	-16.04	0.31	205.25	87.37	109.89	182.73	46.34
103	58	119	1.55	8.94	-27.55	8.91	-27.53	-0.97	-49.90	-95.82	-83.19	-62.53	20.50
		113	2.00	10.18	-31.89	8.65	-30.35	7.90	-95.04	-144.15	-142.31	-96.88	-9.32
		112	2.20	9.77	-33.26	7.93	-31.42	8.69	-125.65	-159.01	-158.40	-126.27	-4.48
		118	1.89	9.56	-31.18	9.54	-31.16	-0.90	-83.50	-101.12	-96.64	-87.97	-7.67
103	74	119	2.56	8.34	-43.25	8.20	-43.12	-2.61	-108.70	-163.12	-148.31	-123.51	24.22
		113	3.12	11.95	-51.84	11.82	-51.71	2.89	-156.46	-228.55	-225.10	-159.90	-15.37
		112	3.27	12.83	-50.67	12.80	-50.64	1.30	-182.67	-242.57	-242.54	-182.70	-1.34
		118	2.80	10.67	-45.09	10.31	-44.73	-4.45	-133.14	-164.84	-158.35	-139.62	-12.79
103	77	119	2.27	12.45	-40.56	12.42	-40.53	1.23	-74.54	-132.24	-118.79	-88.00	24.40
		113	2.88	13.28	-47.17	12.51	-46.39	6.81	-133.14	-208.40	-206.24	-135.29	-12.54
		112	2.93	14.35	-46.27	13.37	-45.29	7.63	-158.76	-223.15	-222.68	-159.24	-5.51
		118	2.49	14.46	-42.81	14.45	-42.80	0.83	-103.20	-137.72	-132.40	-108.52	-12.47
103	80	119	1.44	7.90	-25.91	7.89	-25.90	-0.72	-39.90	-87.26	-74.94	-52.22	20.78
		113	1.87	8.88	-29.91	7.90	-28.94	6.08	-80.74	-132.05	-130.39	-82.40	-9.08
		112	2.00	9.49	-30.08	8.32	-28.91	6.70	-114.27	-149.23	-148.62	-114.89	-4.59
		118	1.70	9.53	-28.18	9.52	-28.16	-0.76	-77.75	-91.38	-89.85	-79.28	-4.31
104	7	120	6.56	9.31	-60.73	8.48	-59.90	-7.58	-130.83	-605.68	-308.38	-428.14	229.75

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		114	7.18	6.57	-73.19	6.16	-72.78	5.70	-402.50	-596.69	-446.61	-552.58	-81.36
		113	7.21	33.94	-73.92	33.92	-73.91	1.14	-539.21	-650.18	-635.58	-553.81	-37.50
		119	5.71	30.14	-59.48	29.92	-59.27	-4.40	-323.69	-526.07	-430.59	-419.17	101.03
104	33	120	1.44	-8.95	-20.64	-8.95	-20.63	0.14	108.77	-10.69	66.37	31.72	-57.16
		114	1.17	-10.71	-25.46	-10.80	-25.37	1.16	56.07	27.72	52.60	31.19	9.29
		113	2.97	1.62	-21.22	1.58	-21.18	-0.88	263.68	131.03	131.06	263.65	-2.11
		119	2.38	0.12	-17.10	-0.22	-16.75	2.42	214.82	125.33	128.70	211.45	-17.03
104	62	120	1.98	4.84	-22.60	4.77	-22.52	-1.39	-40.80	-150.03	-71.56	-119.27	49.13
		114	2.25	5.80	-27.52	3.82	-25.54	7.88	-110.22	-162.73	-114.63	-158.33	-14.56
		113	1.94	10.93	-28.78	9.37	-27.23	7.70	-96.36	-143.86	-142.20	-98.03	-8.73
		119	1.45	9.39	-24.52	9.37	-24.49	-0.93	-51.13	-95.86	-83.18	-63.80	20.16
104	74	120	3.69	0.83	-40.68	0.61	-40.46	-3.00	-102.09	-285.08	-137.10	-250.07	71.98
		114	4.38	-0.25	-49.85	-0.84	-49.25	5.42	-189.41	-325.09	-197.57	-316.93	-32.25
		113	3.02	12.92	-48.82	12.84	-48.75	2.14	-156.60	-228.48	-225.38	-159.70	-14.61
		119	2.46	9.00	-40.20	8.98	-40.17	-1.06	-110.59	-161.19	-148.17	-123.61	22.12
104	77	120	3.36	3.83	-37.20	3.82	-37.20	-0.63	-76.83	-248.28	-112.90	-212.22	69.87
		114	3.85	2.64	-44.70	1.31	-43.37	7.84	-174.17	-282.33	-179.45	-277.05	-23.30
		113	2.84	14.20	-44.15	13.44	-43.39	6.61	-133.48	-208.36	-206.40	-135.44	-11.95
		119	2.17	13.18	-37.64	13.13	-37.59	1.65	-75.61	-131.81	-118.89	-88.53	23.65
104	80	120	1.86	2.92	-22.04	2.84	-21.96	-1.41	-35.88	-138.52	-64.32	-110.08	45.94
		114	2.11	3.17	-26.62	1.71	-25.17	6.42	-100.18	-150.19	-104.59	-145.77	-14.19
		113	1.81	9.63	-26.89	8.61	-25.87	6.02	-81.85	-131.80	-130.27	-83.39	-8.62
		119	1.36	8.54	-22.85	8.53	-22.85	-0.53	-41.24	-87.12	-74.91	-53.45	20.28
105	1	121	10.12	-2.17	-81.11	-29.45	-53.83	-37.54	-160.16	-981.86	-191.25	-950.77	156.78
		115	12.97	-19.92	-87.47	-43.90	-63.49	32.33	-232.09	-1253.27	-240.22	-1245.14	-90.72
		114	5.43	-8.31	-64.82	-8.35	-64.78	-1.44	-113.26	-355.11	-113.50	-354.86	-7.69
		120	4.45	-6.02	-55.04	-6.86	-54.20	6.36	-76.78	-283.46	-78.29	-281.95	-17.57
105	39	121	4.75	-15.83	-31.67	-27.31	-20.19	-7.07	-59.22	-475.73	-60.38	-474.58	21.93
		115	5.73	-11.20	-43.35	-32.42	-22.13	15.23	-92.96	-579.37	-93.48	-578.85	-15.83
		114	1.10	-7.98	-23.72	-10.39	-21.31	5.67	54.45	28.13	44.26	38.31	12.82
		120	1.76	-2.34	-22.99	-5.99	-19.34	7.88	111.13	16.47	73.04	54.56	-46.42
105	50	121	2.94	-2.99	-22.56	-7.56	-17.99	-8.28	-29.39	-282.82	-56.22	-256.00	77.96
		115	3.38	1.83	-31.15	-9.46	-19.86	15.65	-69.03	-311.39	-73.53	-306.90	-32.70
		114	2.11	4.57	-23.67	2.57	-21.68	7.23	-99.22	-160.26	-101.92	-157.55	-12.56
		120	2.06	4.72	-19.77	4.56	-19.62	1.93	-21.90	-153.50	-60.94	-114.46	60.11
105	74	121	6.03	-1.66	-57.10	-21.40	-37.37	-26.55	-72.03	-596.26	-122.08	-546.21	154.05
		115	7.38	-12.07	-60.09	-29.28	-42.88	23.03	-139.64	-697.95	-149.63	-687.96	-74.01
		114	4.39	-0.15	-45.46	-0.17	-45.45	0.72	-179.09	-335.57	-185.82	-328.84	-31.75
		120	3.94	1.98	-38.68	1.88	-38.59	1.99	-77.40	-303.98	-127.42	-253.96	93.98
105	77	121	5.56	-4.12	-47.61	-18.30	-33.43	-20.38	-65.78	-545.47	-108.26	-503.00	136.28
		115	6.50	-5.96	-53.60	-22.58	-36.98	22.71	-127.27	-613.97	-135.33	-605.91	-62.11
		114	3.82	2.10	-40.09	1.66	-39.65	4.29	-164.54	-292.61	-168.68	-288.48	-22.64
		120	3.58	5.19	-35.22	5.01	-35.04	2.67	-54.27	-267.31	-105.47	-216.10	91.03
105	80	121	2.90	-1.99	-25.14	-9.03	-18.09	-10.65	-30.32	-282.48	-56.16	-256.64	76.48
		115	3.35	-1.28	-29.42	-10.88	-19.82	13.34	-66.30	-311.80	-70.98	-307.12	-33.56
		114	2.06	3.00	-22.72	2.07	-21.79	4.81	-94.94	-156.52	-98.23	-153.23	-13.86
		120	1.95	3.78	-19.29	3.78	-19.29	0.07	-22.77	-150.74	-60.23	-113.28	58.23
106	7	115	8.85	4.53	-39.12	-39.09	4.50	-1.05	820.76	9.18	30.16	799.78	-128.79
		44	11.30	3.97	-33.72	-27.64	-2.11	-13.87	873.08	-308.45	-8.12	572.75	-514.45
		38	12.06	19.33	-22.79	-5.07	1.62	-20.80	-282.64	-1265.49	-583.83	-964.29	-453.11
		116	13.89	34.81	-3.98	-2.01	32.83	-8.52	-994.05	-1564.32	-1110.79	-1447.58	-230.10
106	39	115	5.51	-14.01	-37.28	-31.73	-19.56	-9.92	567.22	76.99	77.75	566.46	-19.25
		44	3.65	-9.11	-23.06	-19.12	-13.05	-6.28	378.51	24.52	40.67	362.35	-73.88
		38	4.59	15.16	-28.93	-3.92	-9.85	-21.85	-33.31	-342.91	-141.31	-234.91	-147.56
		116	3.67	5.66	-10.56	-0.82	-4.08	-7.94	-250.74	-399.48	-282.02	-368.21	-60.61
106	44	115	3.05	-0.61	-9.55	-9.02	-1.14	-2.11	312.35	23.38	27.74	307.99	-35.22
		44	3.41	2.91	-9.42	-5.14	-1.37	-5.87	281.12	-64.18	10.88	206.06	-142.42
		38	3.69	6.38	-8.42	-1.26	-0.78	-7.39	-59.86	-367.54	-162.78	-264.63	-145.17
		116	3.93	8.82	-1.57	-0.26	7.51	-3.45	-287.11	-450.46	-324.34	-413.22	-68.52
106	74	115	6.82	-3.98	-25.56	-25.29	-4.25	-2.39	699.58	55.08	63.14	691.52	-71.63
		44	7.22	2.05	-21.27	-15.20	-4.02	-10.23	612.57	-128.08	24.12	460.38	-299.27
		38	7.97	12.21	-20.86	-6.46	-2.18	-16.40	-147.67	-798.61	-345.02	-601.25	-299.19
		116	8.66	17.80	-5.99	-3.56	15.38	-7.20	-625.72	-1000.31	-700.16	-925.87	-149.47
106	77	115	5.96	-2.17	-20.99	-19.49	-3.66	-5.09	614.17	50.95	57.81	607.32	-61.77
		44	6.36	4.21	-19.48	-11.71	-3.56	-11.12	534.02	-106.81	22.43	404.78	-257.14
		38	6.95	11.26	-18.79	-4.80	-2.72	-14.99	-126.00	-689.30	-300.58	-514.72	-260.51
		116	7.39	15.58	-4.71	-1.11	11.98	-7.75	-537.12	-858.31	-601.24	-794.19	-128.39
106	80	115	3.08	-2.69e-03	-10.86	-9.42	-1.44	-3.68	312.57	22.93	26.88	308.63	-33.56
		44	3.43	3.37	-10.82	-5.76	-1.69	-6.79	279.28	-61.92	10.60	206.77	-139.58
		38	3.74	6.55	-10.58	-2.43	-1.61	-8.55	-63.04	-365.53	-162.77	-265.80	-142.20
		116	3.87	9.31	-2.92	-0.49	6.88	-4.87	-287.63	-448.14	-322.82	-412.95	-66.41
107	1	27	2.78	7.20	-61.75	-34.91	-19.64	-33.62	-39.21	-79.44	-73.80	-44.86	13.97
		117	3.84	-1.34	-71.36	-1.56	-71.13	-3.98	28.71	-95.49	26.53	-93.31	16.31
		10	13.99	3.12	-142.81	-45.88	-93.81	-68.92	-199.33	-1073.06	-209.09	-1063.29	-91.85
		1	5.53	62.73	-33.22	18.57	10.94	47.82	111.67	-149.91	-3.63	-34.60	-129.87
107	38	27	2.52	7.95	-26.61	-4.05	-14.61	-16.46	214.57	13.29	214.12	13.74	-9.51
		117	4.70	-0.94	-67.26	-1.48	-66.72	5.96	-17.51	-321.55	-123.93	-215.13	-145.02
		10	8.16	-10.51	-106.89	-40.43	-76.96	-44.60	-55.42	-487.78	-77.64	-465.57	-95.45
		1	5.49	38.56	-57.62	-5.10	-13.96	47.89	136.31	-124.60	22.74	-11.02	-129.36
107	70	27	2.21	4.94	-14.23	-0.24	-9.05	-8.51	211.56	21.57	211.40	21.72	-5.38
		117	3.66	6.42	-46.01	5.98	-45.57	4.76	-38.75	-279.60	-126.08	-192.27	-115.79
		10	6.59	-0.12	-70.69	-18.37	-52.44	-30.90	-80.03	-446.62	-102.26	-424.38	-87.50
		1	3.75	26.41	-32.28	-1.25	-4.63	29.29	116.93	-98.76	47.30	-29.14	-100.84
107	74	27	2.99	6.96	-25.24	-7.06	-11.21	-15.97	274.65	21.01	267.32	28.34	-42.49
		117	5.25	11.77	-56.33	11.77	-56.32	-0.57	-60.82	-405.77	-185.04	-281.55	-165.58
		10	9.23	5.03	-99.37	-25.22	-69.12	-47.36	-98.67	-608.67	-142.73	-564.61	-143.29
		1	4.68	39.97	-27.15	8.50	4.32	33.49	166.60	-127.76	67.66	-28.82	-139.05
107	77	27	3.00	5.37	-13.72	1.25	-9.59	-7.86	296.14	32.03	296.05	32.12	-4.81
		117	4.79	11.51	-57.43	10.99	-56.91	5.98	-53.81	-375.40	-172.00	-257.20	-155.05
		10	8.82	2.54	-85.79	-18.20	-65.05	-37.45	-121.32	-631.08	-153.16	-599.24	-123.37
		1	4.70	32.94	-36.89	-0.84	-3.11	34.90	157.25	-131.88	73.12	-47.75	-131.32
107	80	27	2.11	4.26	-11.16	0.78	-7.67	-6.45	205.43	22.38	205.41	22.40	-2.13
		117	3.38	7.54	-41.37	7.08	-40.90	4.76	-43.90	-263.72	-122.70	-184.92	-105.42
		10	6.22	2.12	-62.08	-13.13	-46.83	-27.32	-85.91	-438.35	-107.08	-417.19	-83.74
		1	3.37	23.46	-27.23	-1.06	-2.71	25.33	110.75	-94.13	51.12	-34.50	-93.06
108	7	29	10.92	27.33	-11.57	24.50	-8.73	-10.11	1090.39	167.43	1089.63	168.18	-26.41
		118	6.59	38.25	-67.25	38.04	-67.04	-4.71	-465.50	-628.95	-600.35	-494.10	-62.11
		117	9.81	23.33	-80.05	23.03	-79.75	-5.56	-311.04	-911.74	-563.59	-659.19	-296.52
		27	10.01	40.32	-5.52	33.69	1.11	-16.12	901.49	52.77	879.36	74.89	-135.23
108	36	29	3.08	18.63	-33.27	1.31	-15.94	-24.48	217.93	24.53	216.14	26.32	-18.48
		118	2.58	8.85	-45.01	7.37	-43.53	-8.80	-91.72	-126.82	-116.03	-102.52	-16.20

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

		117	4.28	-3.80	-61.34	-6.81	-58.33	-12.81	-75.72	-240.06	-117.14	-198.64	-71.35
		27	3.06	16.75	-19.89	5.77	-8.92	-16.78	210.21	-8.96	197.40	3.85	-51.41
108	68	29	2.84	9.32	-13.96	5.84	-10.48	-8.30	265.25	44.52	265.25	44.52	-0.54
		118	1.84	9.96	-33.11	9.96	-33.11	0.31	-76.69	-108.93	-108.05	-77.57	-5.25
		117	3.23	3.01	-41.70	2.94	-41.63	-1.78	-89.02	-221.54	-126.67	-183.89	-59.76
		27	2.65	10.62	-7.77	7.94	-5.09	-6.50	226.42	7.00	225.04	8.38	-17.39
108	74	29	3.10	7.06	-22.11	0.40	-15.44	-12.25	292.04	41.66	291.58	42.12	-10.80
		118	2.63	10.64	-45.06	10.64	-45.06	-3.50e-03	-120.98	-164.19	-160.61	-124.57	-11.92
		117	4.63	4.56	-55.78	3.14	-54.36	-9.17	-133.06	-319.09	-185.16	-267.00	-83.53
		27	3.30	9.15	-9.18	6.93	-6.96	-5.98	285.61	-4.20	275.84	5.58	-52.32
108	77	29	3.93	9.63	-13.62	8.59	-12.58	-4.80	379.25	66.35	379.22	66.38	3.35
		118	2.57	15.11	-44.75	14.81	-44.46	4.21	-91.70	-144.95	-143.27	-93.38	-9.32
		117	4.23	7.12	-53.74	7.12	-53.74	0.49	-123.92	-300.99	-175.66	-249.25	-80.53
		27	3.57	11.37	-7.22	10.64	-6.49	-3.61	316.13	9.89	315.34	10.68	-15.52
108	80	29	2.69	7.19	-10.80	6.01	-9.63	-4.44	256.24	44.31	256.17	44.38	3.99
		118	1.72	9.99	-30.84	9.78	-30.62	2.95	-68.20	-99.79	-99.76	-68.23	-0.83
		117	2.98	4.72	-37.76	4.70	-37.74	0.82	-92.86	-211.50	-125.36	-179.01	-52.91
		27	2.50	8.64	-5.44	7.70	-4.49	-3.52	219.20	5.81	218.74	6.28	-9.98
109	7	31	9.33	18.66	-5.89	16.98	-4.21	-6.19	960.62	140.43	956.39	144.66	58.72
		119	5.90	30.06	-59.73	30.02	-59.70	1.74	-276.15	-583.49	-493.97	-365.68	139.64
		118	6.49	34.00	-63.49	33.98	-63.47	-1.34	-484.84	-616.09	-596.52	-504.41	-46.75
		29	11.01	35.71	-10.62	29.65	-4.56	-15.61	1079.79	166.78	1079.09	167.47	-25.21
109	38	31	2.97	11.19	-20.15	5.75	-14.71	-11.88	265.01	45.81	265.01	45.81	3.93e-03
		119	1.89	11.10	-32.89	11.08	-32.87	0.94	-58.18	-112.04	-103.66	-66.55	19.52
		118	2.38	8.65	-43.86	8.65	-43.86	-0.24	-83.85	-122.70	-113.87	-92.68	-16.29
		29	3.29	15.48	-20.89	7.70	-13.10	-14.92	280.50	38.96	280.26	39.21	-7.65
109	70	31	2.49	6.25	-9.99	5.12	-8.86	-4.13	240.04	41.25	239.89	41.40	5.49
		119	1.55	8.99	-26.53	8.60	-26.15	3.69	-41.37	-103.60	-89.88	-55.09	25.80
		118	1.74	9.62	-30.56	9.49	-30.43	2.23	-77.16	-107.92	-107.07	-78.01	-5.05
		29	2.82	9.61	-10.36	7.14	-7.90	-6.57	264.47	41.92	264.47	41.92	0.60
109	74	31	2.55	3.61	-14.76	-0.24	-10.91	-7.48	259.49	28.94	258.13	30.30	17.64
		119	2.46	8.48	-40.59	7.85	-39.96	5.52	-95.91	-158.60	-143.83	-110.69	26.61
		118	2.54	9.63	-42.07	9.45	-41.89	-3.04	-122.66	-160.73	-158.23	-125.16	-9.42
		29	2.96	4.26	-15.04	1.73	-12.51	-6.51	285.59	36.86	284.56	37.90	-16.02
109	77	31	3.56	7.65	-8.99	7.55	-8.89	-1.29	350.46	59.25	350.35	59.36	5.73
		119	2.23	13.19	-39.36	12.26	-38.42	6.95	-61.04	-137.26	-122.76	-75.54	29.92
		118	2.42	14.44	-41.47	14.12	-41.15	4.20	-92.14	-143.08	-140.98	-94.23	-10.12
		29	3.88	10.45	-10.80	9.46	-9.81	-4.48	374.01	61.78	373.98	61.80	2.80
109	80	31	2.31	5.07	-8.09	4.70	-7.72	-2.18	224.93	39.58	224.74	39.78	6.01
		119	1.46	8.41	-25.16	7.81	-24.56	4.44	-30.16	-92.53	-77.95	-44.74	26.40
		118	1.59	9.63	-27.64	9.39	-27.39	3.00	-69.41	-98.26	-98.22	-69.45	-1.07
		29	2.65	8.15	-8.05	6.84	-6.74	-4.41	252.19	40.95	252.12	41.02	3.83
110	7	33	6.34	17.49	5.96	12.40	11.04	-5.72	646.01	6.51	621.36	31.16	123.10
		120	7.39	10.76	-62.47	10.31	-62.02	5.73	-75.06	-649.10	-346.67	-377.49	286.60
		119	5.89	29.53	-56.79	29.40	-56.67	3.23	-286.32	-602.23	-498.56	-389.99	148.34
		31	9.37	23.99	-1.23	21.67	1.09	-7.29	957.45	148.27	953.46	152.27	56.71
110	38	33	2.24	9.80	-11.96	5.57	-7.73	-8.61	198.84	16.66	198.15	17.34	11.18
		120	2.31	11.66	-25.11	11.13	-24.57	4.39	-52.30	-170.90	-103.60	-119.61	58.76
		119	1.82	11.62	-29.88	11.59	-29.85	1.16	-59.56	-113.63	-104.88	-68.31	19.92
		31	2.94	12.58	-17.70	6.40	-11.52	-12.21	265.99	48.26	265.98	48.27	-1.36
110	70	33	1.82	6.06	-3.38	4.91	-2.22	-3.10	171.71	9.51	170.38	10.85	14.64
		120	2.16	5.38	-23.85	4.49	-22.95	5.03	-35.68	-154.13	-82.88	-106.93	57.99
		119	1.49	9.88	-23.70	9.40	-23.22	3.98	-43.36	-105.14	-91.22	-57.28	25.81
		31	2.46	7.36	-6.98	5.85	-5.48	-4.40	240.62	42.82	240.51	42.93	4.61
110	74	33	2.35	8.95	-2.63	3.82	2.50	-5.75	223.00	-22.66	212.93	-12.60	48.71
		120	3.84	2.15	-43.08	0.54	-41.47	8.39	-95.36	-273.59	-147.54	-221.41	81.10
		119	2.34	9.37	-37.38	9.18	-37.20	2.94	-96.25	-162.90	-146.25	-112.90	28.85
		31	2.52	0.98	-7.62	0.47	-7.10	-2.05	263.11	32.67	262.47	33.31	12.12
110	77	33	2.77	8.33	1.82	8.23	1.92	-0.78	262.39	7.60	260.98	9.00	18.88
		120	3.53	5.34	-40.10	3.89	-38.65	7.98	-69.73	-244.33	-126.39	-187.67	81.75
		119	2.17	14.54	-36.70	13.46	-35.63	7.34	-63.93	-139.02	-125.22	-77.73	29.08
		31	3.54	8.43	-5.36	8.32	-5.25	-1.23	352.92	61.81	352.84	61.89	4.80
110	80	33	1.67	4.93	-1.70	4.47	-1.24	-1.67	158.21	8.57	157.12	9.65	12.69
		120	2.07	3.93	-23.58	2.84	-22.49	5.37	-28.21	-140.27	-71.15	-97.32	54.48
		119	1.39	9.35	-22.40	8.61	-21.65	4.81	-32.58	-93.63	-79.26	-46.96	25.90
		31	2.28	6.04	-4.86	5.50	-4.32	-2.37	225.41	40.62	225.24	40.79	5.58
111	1	35	4.15	45.28	-16.71	13.35	15.22	-30.98	99.96	-135.56	11.42	-47.03	114.08
		121	9.56	-13.07	-73.00	-25.89	-60.19	24.57	-173.21	-811.69	-186.82	-798.08	92.22
		120	4.18	-1.80	-52.56	-2.54	-51.82	6.09	-77.93	-254.76	-77.94	-254.75	-0.96
		33	1.10	5.26	-13.65	-12.63	4.24	4.27	-19.17	-74.26	-19.34	-74.10	2.98
111	39	35	0.42	6.67	-4.32	-0.96	3.31	-5.06	-7.42	-17.79	-8.04	-17.17	-2.46
		121	4.52	-13.25	-36.50	-27.27	-22.48	11.38	-41.06	-429.58	-41.14	-429.50	-5.38
		120	2.53	2.85	-27.11	-4.58	-19.67	12.94	170.33	17.46	116.54	71.25	-73.00
		33	2.09	11.55	-8.58	1.08	1.89	10.05	62.56	-103.70	-30.96	-10.18	-82.48
111	50	35	1.46	10.50	-5.51	0.46	4.52	-7.75	62.73	-48.32	36.52	-22.11	47.16
		121	3.33	-1.97	-27.43	-8.48	-20.92	11.11	-29.91	-253.93	-53.99	-229.86	69.38
		120	2.47	6.79	-21.27	5.28	-19.77	6.31	2.20	-175.82	-71.06	-102.57	87.60
		33	1.60	4.61	1.31	4.61	1.31	0.08	157.35	17.47	156.25	18.58	12.37
111	74	35	3.30	29.23	-13.21	4.05	11.97	-20.85	108.70	-111.15	42.28	-44.73	100.95
		121	6.40	-12.21	-50.72	-19.65	-43.29	15.20	-76.63	-512.83	-119.79	-469.68	130.24
		120	4.22	4.87	-38.47	4.62	-38.23	3.23	-38.27	-337.95	-145.30	-230.92	143.59
		33	2.20	6.81	-0.19	0.05	6.56	1.29	211.01	-12.66	201.89	-3.54	44.23
111	77	35	2.72	21.42	-11.02	0.54	9.86	-15.53	99.35	-94.54	52.54	-47.73	82.97
		121	6.00	-10.07	-46.43	-17.45	-39.05	14.62	-68.36	-483.79	-105.55	-446.59	118.61
		120	3.97	7.94	-36.35	7.17	-35.57	5.79	-17.84	-298.67	-122.53	-193.98	135.79
		33	2.42	6.86	4.99	6.14	5.71	0.91	243.03	15.35	241.78	16.60	16.84
111	80	35	1.49	11.17	-6.56	0.17	4.44	-8.60	57.00	-50.45	30.91	-24.37	46.07
		121	3.21	-4.29	-25.36	-8.76	-20.89	8.62	-31.40	-253.10	-54.29	-230.21	67.47
		120	2.33	5.61	-20.25	4.81	-19.45	4.48	1.42	-171.37	-68.77	-101.17	84.86
		33	1.45	4.34	1.71	3.79	2.26	-1.07	146.40	12.62	145.36	13.66	11.76
112	7	44	11.55	-3.45	-38.64	-35.31	-6.78	-10.30	918.96	-315.22	16.37	587.37	-547.07
		103	6.43	4.31	-28.11	-11.44	-12.36	-16.20	450.30	-182.23	125.02	143.05	-316.14
		97	11.07	-2.66	-39.05	-8.41	-33.30	-13.27	949.95	-186.67	828.96	-65.68	-350.54
		38	14.77	29.97	-18.20	6.78	4.99	-24.07	-235.72	-1515.71	-782.20	-969.22	-633.13
112	39	44	3.52	-5.12	-31.39	-20.61	-15.89	-12.92	353.33	27.50	45.40	335.43	-74.26
		103	1.17	7.46	0.88	2.72	5.62	-2.95	76.76	-27.44	4.54	44.78	-48.06
		97	3.61	7.49	-29.59	-6.68	-15.43	-18.02	277.88	-22.17	255.53	0.19	-78.79
		38	5.27	17.54	-24.83	0.65	-7.94	-20.75	-11.75	-412.08	-188.05	-235.78	-198.74
112	71	44	3.45	0.52	-15.10	-10.70	-3.88	-7.02	278.85	-61.77	14.21	202.87	-141.80
		103	1.77	4.53	-6.11	-0.36	-1.22	-5.30	117.95	-48.58	27.82	41.54	-82.98
		97	3.49	-1.26	-17.55	-5.11	-13.70	-6.92	306.47	-35.97	280.46	-9.96	-90.72

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

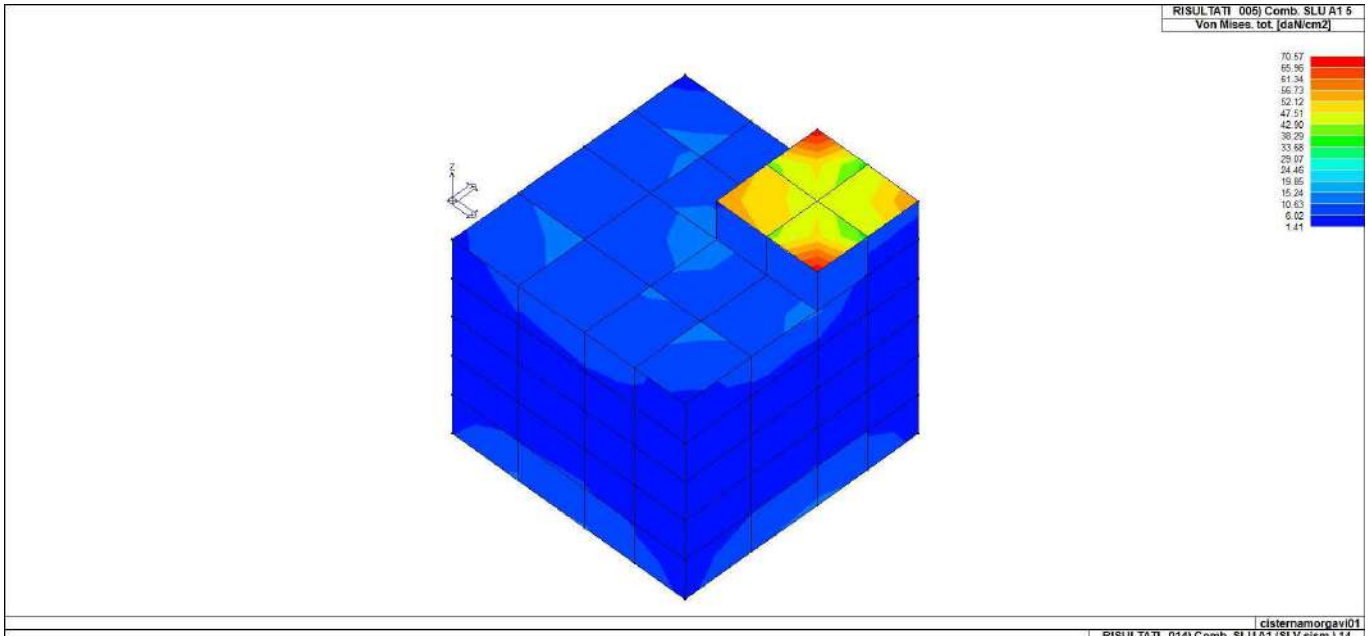
		38	4.72	12.29	-11.63	0.95	-0.29	-11.95	-45.16	-439.92	-217.53	-267.55	-195.79
112	74	44	7.19	-2.20	-23.45	-19.25	-6.41	-8.47	622.41	-123.88	44.40	454.13	-311.88
		103	3.69	7.02	-11.70	-1.79	-2.88	-9.34	259.32	-100.07	68.00	91.25	-179.32
		97	7.33	-4.78	-26.65	-9.92	-21.51	-9.27	690.48	-61.00	638.01	-8.53	-191.51
		38	9.75	18.39	-17.71	0.71	-0.03	-18.05	-117.19	-962.18	-475.56	-603.81	-417.60
112	77	44	6.35	0.49	-21.44	-15.17	-5.78	-9.91	543.37	-102.06	40.89	400.42	-268.01
		103	3.22	6.50	-10.40	-1.19	-2.71	-8.42	222.99	-89.18	52.98	80.83	-155.46
		97	6.36	-5.24	-26.60	-8.84	-22.99	-8.00	583.63	-61.29	534.73	-12.38	-170.73
		38	8.51	16.81	-16.18	1.22	-0.59	-16.47	-97.00	-832.84	-411.55	-518.30	-364.03
112	80	44	3.41	1.20	-12.05	-7.79	-3.06	-6.19	282.76	-60.60	17.82	204.34	-144.14
		103	1.80	4.08	-6.06	-0.51	-1.48	-5.05	122.23	-49.32	27.60	45.31	-85.32
		97	3.40	-2.88	-15.22	-4.81	-13.28	-4.49	305.81	-38.26	278.79	-11.23	-92.56
		38	4.59	9.71	-9.01	1.02	-0.31	-9.33	-43.11	-441.53	-216.89	-267.76	-197.58
113	7	35	6.92	4.28	-22.61	-7.30	-11.03	13.32	478.56	-236.44	133.88	108.24	357.27
		121	11.44	1.87	-31.40	-27.25	-2.27	10.99	972.99	-218.57	25.90	728.51	481.18
		98	15.30	25.45	-21.59	-4.05	7.91	22.75	-582.46	-1690.41	-1142.30	-1130.57	553.95
		36	11.80	-15.03	-41.45	-17.34	-39.14	7.46	1128.53	-108.37	956.06	64.09	428.46
113	33	35	1.26	5.93	0.11	1.39	4.65	2.41	88.08	-33.91	18.52	35.66	60.39
		121	4.36	-11.33	-30.55	-23.66	-18.22	9.21	443.54	44.50	55.95	432.10	66.60
		98	5.01	12.97	-20.89	0.79	-8.72	16.25	-109.49	-463.00	-281.77	-290.72	176.70
		36	3.56	6.24	-21.57	-4.98	-10.36	13.64	291.27	-17.58	244.93	28.76	110.30
113	65	35	2.05	3.08	-5.69	-1.41	-1.20	4.39	142.13	-64.95	39.85	37.33	103.53
		121	3.36	-3.79	-10.51	-10.24	-4.06	1.31	320.95	-35.38	17.14	268.43	126.32
		98	4.56	7.63	-6.44	0.65	0.54	7.04	-157.03	-498.60	-328.21	-327.42	170.79
		36	3.37	-2.10	-8.57	-3.21	-7.46	2.45	319.76	-34.01	265.71	20.04	127.28
113	74	35	3.95	6.46	-8.31	0.30	-2.15	7.28	278.67	-128.00	83.90	66.77	203.15
		121	7.32	-2.19	-18.38	-15.26	-5.30	6.38	690.71	-65.57	55.68	569.46	277.48
		98	10.04	13.81	-16.95	-5.53	2.39	14.86	-339.46	-1089.02	-718.20	-710.29	374.76
		36	7.80	-13.53	-24.79	-15.29	-23.03	4.09	802.16	-0.36	720.59	81.22	242.51
113	77	35	3.74	4.69	-9.67	-2.54	-2.45	7.18	262.12	-122.69	69.63	69.79	192.41
		121	6.32	-5.81	-13.80	-13.66	-5.95	1.04	624.83	-50.61	47.86	526.36	238.35
		98	8.50	9.88	-9.00	0.47	0.41	9.44	-307.11	-950.62	-628.84	-628.89	321.76
		36	6.31	-5.62	-13.48	-5.81	-13.29	1.21	622.54	-52.12	523.01	47.41	239.26
113	80	35	2.08	2.59	-5.49	-1.48	-1.42	4.04	147.36	-65.44	40.80	41.11	106.40
		121	3.30	-3.06	-6.69	-6.68	-3.07	-0.21	324.02	-33.45	21.18	269.39	128.62
		98	4.43	4.79	-3.37	0.73	0.69	4.08	-154.40	-499.82	-326.99	-327.23	172.71
		36	3.29	-2.96	-6.50	-2.96	-6.50	-0.11	321.76	-35.14	266.15	20.47	129.44
114	7	121	10.78	9.67	-32.80	-25.93	2.81	15.64	903.43	-161.62	32.08	709.73	410.83
		115	8.44	4.36	-35.16	-34.86	4.06	-3.44	785.51	7.31	36.19	756.62	-147.12
		116	13.08	35.68	-6.98	-6.98	35.68	-0.16	-938.45	-1428.11	-980.93	-1385.62	-137.83
		98	11.88	21.07	-22.61	-9.08	7.55	20.19	-695.78	-1349.81	-916.89	-1128.70	309.39
114	29	121	4.59	-14.71	-25.20	-24.63	-15.28	2.37	475.06	53.15	62.07	466.14	60.69
		115	5.49	-17.91	-33.25	-32.51	-18.65	3.29	568.44	82.86	84.04	567.25	-23.93
		116	3.15	0.35	-3.51	-0.83	-2.33	-1.78	-231.51	-362.67	-242.34	-351.84	-36.11
		98	4.02	11.08	-21.77	-1.33	-9.36	15.93	-144.52	-368.98	-223.51	-289.98	107.20
114	45	121	3.36	0.02	-9.50	-7.79	-1.69	3.66	317.29	-18.95	24.64	273.70	112.95
		115	2.99	-1.06	-10.41	-9.74	-1.73	-2.42	306.07	24.21	30.83	299.44	-42.71
		116	3.68	8.38	-1.08	-0.97	8.26	-1.02	-269.76	-408.78	-282.55	-395.99	-40.19
		98	3.52	4.76	-6.04	-1.56	0.29	5.32	-193.69	-399.17	-263.39	-329.46	97.29
114	74	121	7.23	1.80	-20.51	-15.90	-2.81	9.03	678.12	-37.37	55.54	585.21	240.50
		115	6.60	-3.87	-23.75	-22.96	-4.66	-3.88	681.70	56.98	69.39	669.30	-87.16
		116	8.10	16.71	-6.26	-6.12	16.57	-1.80	-584.40	-909.15	-609.58	-883.97	-86.85
		98	7.67	10.59	-16.78	-7.77	1.58	12.86	-416.99	-859.37	-563.67	-712.69	208.27
114	77	121	6.28	-1.59	-14.92	-13.23	-3.28	4.43	612.45	-25.99	51.66	534.81	208.67
		115	5.80	-1.22	-19.95	-17.39	-3.78	-6.44	599.57	52.84	63.78	588.63	-76.56
		116	6.89	13.16	-3.75	-3.03	12.44	-3.41	-496.98	-780.69	-518.10	-759.57	-74.46
		98	6.52	6.60	-7.94	-1.83	0.49	7.17	-375.88	-753.23	-499.18	-629.93	176.99
114	80	121	3.27	-0.85	-6.81	-6.27	-1.39	1.71	317.94	-19.41	25.72	272.81	114.84
		115	2.99	0.76	-10.31	-8.11	-1.44	-4.42	305.10	25.36	31.66	298.80	-41.51
		116	3.62	7.83	-2.22	-1.54	7.15	-2.53	-268.87	-407.59	-280.45	-396.01	-38.37
		98	3.41	2.96	-2.88	-0.66	0.73	2.84	-191.93	-398.61	-262.71	-327.83	98.08
115	1	36	12.30	-21.82	-35.87	-24.71	-32.98	5.68	1299.63	122.78	1246.66	175.75	243.99
		98	10.84	13.48	-30.74	-13.54	-3.72	21.56	-525.84	-1160.61	-959.59	-726.85	295.28
		19	10.24	5.70	-10.95	0.22	-5.48	-7.82	-713.76	-1207.06	-1175.29	-745.53	-121.08
		43	13.93	-29.05	-48.64	-31.89	-45.79	-6.90	1483.41	220.12	1476.45	227.08	-93.51
115	25	36	4.55	-14.91	-25.50	-15.13	-25.28	1.53	470.31	50.97	460.72	60.56	62.70
		98	4.01	10.75	-21.26	-9.19	-1.31	15.51	-145.10	-370.50	-289.68	-225.92	108.10
		19	3.18	0.99	-3.84	-2.11	-0.74	-2.32	-236.32	-365.09	-352.98	-248.43	-37.58
		43	5.40	-18.07	-34.33	-18.47	-33.93	2.51	560.53	79.01	559.25	80.29	-24.81
115	73	36	3.35	0.23	-9.64	-1.60	-7.81	3.84	313.78	-20.86	269.45	23.47	113.44
		98	3.53	4.84	-6.17	0.25	-1.59	5.43	-193.60	-398.66	-328.80	-263.46	97.19
		19	3.68	8.23	-0.96	8.17	-0.90	-0.72	-270.37	-408.55	-395.76	-283.15	-40.04
		43	2.95	-1.12	-10.28	-1.63	-9.77	-2.11	301.77	22.91	295.03	29.65	-42.82
115	74	36	7.73	-10.39	-24.03	-11.57	-22.86	3.83	807.16	23.22	744.65	85.73	212.36
		98	7.77	10.61	-16.45	-5.18	-0.66	13.34	-419.02	-861.04	-716.76	-563.30	207.27
		19	7.68	10.21	-4.53	8.22	-2.54	-5.04	-550.97	-894.73	-868.83	-576.86	-90.73
		43	7.82	-12.03	-31.66	-13.51	-30.17	-5.19	851.92	99.72	843.61	108.04	-78.65
115	77	36	6.27	-1.34	-14.67	-3.17	-12.85	4.58	609.63	-27.45	531.11	51.07	209.43
		98	6.52	6.59	-7.95	0.52	-1.87	7.17	-375.77	-753.21	-629.91	-499.07	177.02
		19	6.90	13.19	-3.60	12.54	-2.96	-3.23	-497.86	-781.32	-760.17	-519.01	-74.48
		43	5.77	-1.12	-19.58	-3.64	-17.05	-6.34	595.49	51.95	584.42	63.02	-76.76
115	80	36	3.26	-0.69	-6.68	-1.30	-6.08	1.80	315.29	-20.95	269.33	25.01	115.50
		98	3.41	2.96	-2.90	0.74	-0.69	2.84	-191.89	-398.55	-327.64	-262.79	98.11
		19	3.63	7.81	-2.08	7.21	-1.48	-2.37	-269.80	-408.04	-396.38	-281.46	-38.42
		43	2.96	0.81	-10.12	-1.32	-7.99	-4.33	301.29	24.31	294.87	30.73	-41.70
116	7	98	11.43	42.82	-21.09	5.55	16.18	31.51	-622.63	-1262.67	-942.73	-942.58	320.02
		116	12.18	30.82	-29.54	-29.38	30.66	-3.08	-900.78	-1398.22	-1058.98	-1240.02	-231.66
		122	15.21	112.80	93.52	97.23	109.09	7.60	-1124.23	-1180.09	-1173.49	-1130.84	-18.04
		19	11.62	19.96	-24.62	19.29	-23.94	-5.44	-864.83	-1369.68	-1217.11	-1017.39	-231.83
116	17	98	3.85	14.11	-19.55	-7.09	1.65	16.25	-122.57	-349.64	-234.92	-237.29	113.52
		116	3.28	7.27	-13.36	-13.32	7.23	0.86	-243.72	-363.97	-308.53	-299.17	-59.95
		122	5.11	39.48	30.23	30.23	39.48	0.11	-363.94	-409.35	-402.87	-370.42	15.89
		19	3.17	-2.62	-11.08	-3.09	-10.61	-1.93	-220.75	-338.11	-280.57	-278.29	-58.67
116	49	98	3.37	10.21	-5.34	2.31	2.56	7.77	-171.42	-375.24	-272.64	-274.02	101.91
		116	3.40	7.22	-7.94	-7.52	6.81	-2.48	-258.53	-394.66	-308.55	-344.64	-65.63
		122	4.54	30.18	27.44	28.80	28.82	1.37	-341.33	-364.85	-352.30	-353.88	11.73
		19	3.45	6.57	-8.89	6.00	-8.32	-2.91	-260.52	-394.84	-344.80	-310.56	-64.94
116	74	98	7.29	23.11	-16.19	-0.07	6.98	19.33	-363.26	-790.49	-576.99	-576.76	213.62
		116	7.60	14.78	-21.45	-21.06	14.39	-3.72	-561.82	-884.67	-663.48	-783.01	-149.96
		122	9.20	64.06	49.87	53.04	60.89	5.91	-698.46	-738.46	-732.69	-704.23	-14.05
		19	7.52	7.96	-18.53	6.87	-17.44	-5.27	-537.92	-865.83	-767.98	-635.77	-150.04

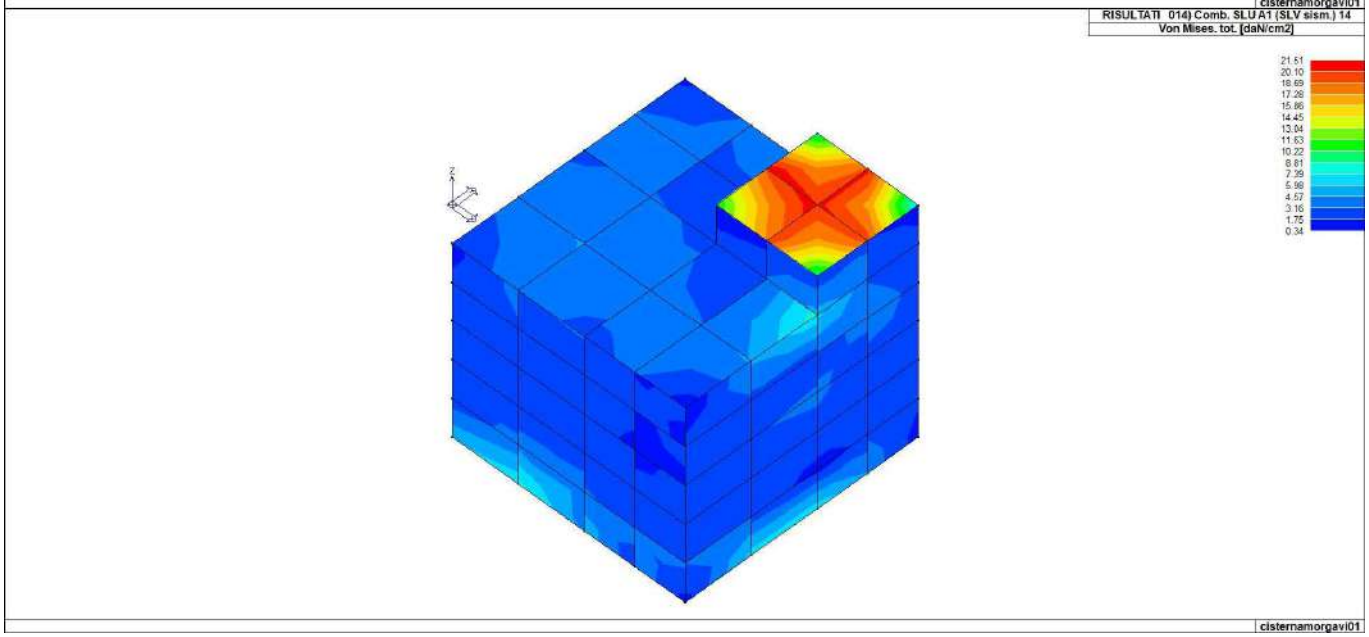
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

116	77	98	6.13	17.21	-8.08	4.57	4.56	12.64	-326.07	-692.32	-509.23	-509.16	183.13
		116	6.55	11.12	-14.34	-13.57	10.36	-4.35	-485.50	-765.61	-571.41	-679.70	-129.17
		122	7.55	48.69	42.55	45.60	45.65	3.07	-586.43	-606.51	-595.91	-597.03	10.03
		19	6.54	11.14	-14.14	10.43	-13.42	-4.20	-486.01	-766.36	-680.22	-572.14	-129.34
116	80	98	3.26	8.84	-2.94	2.95	2.95	5.89	-169.44	-373.10	-271.21	-271.33	101.83
		116	3.41	6.57	-7.76	-7.08	5.88	-3.06	-258.98	-393.96	-305.92	-347.02	-64.28
		122	4.32	25.89	23.64	24.73	24.80	1.13	-338.64	-355.51	-346.45	-347.70	8.41
		19	3.41	6.55	-7.58	5.91	-6.94	-2.94	-259.43	-394.61	-347.29	-306.75	-64.48
117	7	85	4.05	25.37	-52.70	-14.97	-12.36	39.01	184.88	-8.52	151.29	25.07	73.26
		109	6.73	64.68	-32.32	22.08	10.28	-48.14	221.24	-187.63	-56.78	90.39	190.73
		50	8.04	83.59	61.50	67.07	78.02	-9.59	547.78	-239.45	-220.92	529.26	119.32
		122	11.33	110.14	-24.58	101.20	-15.64	-33.53	1196.84	722.02	726.18	1192.68	44.24
117	37	85	1.29	-0.42	-29.29	-27.69	-2.03	6.61	11.48	-49.01	0.07	-37.60	23.66
		109	2.57	5.29	-32.51	-26.58	-0.64	-13.74	113.60	-26.41	59.43	27.75	68.19
		50	2.45	29.62	21.44	29.39	21.67	1.35	192.72	-34.57	-27.66	185.81	39.03
		122	3.92	45.69	-6.78	45.16	-6.25	-5.27	401.05	232.03	238.71	394.37	32.92
117	49	85	1.28	-1.33	-25.04	-24.26	-2.11	4.23	4.37	-53.37	-19.28	-29.71	28.39
		109	2.44	7.26	-32.33	-24.20	-0.86	-15.99	93.58	-24.06	45.88	23.64	57.76
		50	2.20	24.37	18.03	21.96	20.44	-3.08	170.65	-41.93	-33.75	162.48	40.89
		122	3.15	35.40	-2.42	34.61	-1.63	-5.43	332.73	178.40	184.10	327.03	29.11
117	76	85	3.71	45.55	-27.10	29.48	-11.03	30.15	175.09	49.78	170.98	53.89	22.32
		109	5.28	80.15	-0.76	70.59	8.80	-26.12	93.64	-162.48	-117.11	48.27	97.79
		50	5.76	51.49	17.48	18.70	50.27	-6.32	363.44	-141.88	-135.40	356.95	56.88
		122	7.06	48.98	-26.15	37.26	-14.43	-27.26	749.21	435.14	435.26	749.09	-6.16
117	77	85	2.29	-0.56	-42.33	-40.31	-2.58	8.96	-7.10	-97.66	-48.27	-56.49	45.09
		109	4.36	17.30	-57.52	-40.67	0.45	-31.25	161.15	-30.92	83.82	46.41	94.20
		50	3.74	41.03	29.64	36.71	33.97	-5.53	295.08	-64.87	-48.65	278.86	74.66
		122	5.19	60.81	1.08	58.38	3.51	-11.81	541.15	282.54	290.75	532.94	45.33
117	80	85	1.25	-1.26	-22.94	-22.11	-2.09	4.18	-6.44	-57.30	-29.45	-34.29	25.32
		109	2.33	6.90	-32.01	-24.16	-0.95	-15.61	88.10	-16.34	48.69	23.07	50.63
		50	2.23	23.61	16.59	20.30	19.90	-3.50	177.64	-29.14	-21.47	169.97	39.09
		122	3.03	31.43	-1.76	30.58	-0.91	-5.24	320.67	158.06	161.94	316.79	24.81
118	7	109	8.83	92.29	-61.50	34.46	-3.66	-74.49	72.54	-328.93	-209.16	-47.23	183.68
		92	7.65	138.56	-17.00	126.70	-5.15	-41.28	270.99	-34.46	242.03	-5.50	89.49
		91	11.03	-82.37	-147.82	-94.60	-135.59	-25.51	555.75	-391.69	-388.70	552.75	53.15
		50	8.91	126.94	3.05	49.37	80.62	-59.94	787.41	310.26	376.72	720.95	165.21
118	23	109	2.38	21.99	-32.52	-3.40	-7.13	-27.19	25.50	-40.74	7.67	-22.91	29.38
		92	2.20	41.56	0.50	40.12	1.95	7.56	-10.40	-102.63	-18.72	-94.32	26.41
		91	5.81	-36.91	-72.83	-70.04	-39.70	-9.61	154.18	-308.57	-305.56	151.16	-37.24
		50	3.32	19.43	-26.90	-16.69	9.22	-19.21	305.43	232.86	247.21	291.08	28.90
118	71	109	2.75	13.30	-39.11	-20.28	-5.53	-25.14	43.67	-64.56	1.48	-22.38	52.78
		92	1.39	28.01	-0.39	27.26	0.36	-4.56	8.90	-51.76	3.40	-46.27	17.41
		91	3.57	-23.81	-50.33	-37.25	-36.90	-13.26	119.38	-215.75	-215.44	119.07	-10.20
		50	2.77	36.31	-3.64	15.47	17.20	-19.96	255.39	157.10	179.94	232.55	41.51
118	76	109	7.06	101.45	-21.12	79.95	0.39	-46.62	11.34	-257.85	-212.52	-33.98	100.73
		92	6.83	121.57	-12.48	115.67	-6.58	-27.48	254.74	16.11	231.30	39.56	71.03
		91	7.02	-77.70	-91.39	-80.04	-89.05	-5.16	412.57	-202.36	-199.30	409.51	43.21
		50	5.92	69.73	-13.22	6.21	50.30	-35.13	522.68	168.42	205.54	485.56	108.51
118	77	109	4.75	24.69	-65.27	-32.55	-8.03	-43.28	78.08	-114.07	-5.14	-30.86	95.21
		92	2.45	48.31	0.02	46.23	2.10	-9.81	30.72	-84.06	21.98	-75.32	30.44
		91	5.63	-40.14	-87.03	-59.57	-67.61	-23.10	211.94	-339.39	-339.11	211.66	-12.37
		50	4.77	67.32	-9.10	25.28	32.94	-38.02	428.99	249.96	288.79	390.16	73.78
118	80	109	2.76	13.99	-39.23	-19.69	-5.55	-25.65	42.77	-64.09	-0.88	-20.45	52.53
		92	1.41	27.50	-0.45	26.69	0.36	-4.69	12.65	-48.90	8.78	-45.02	14.96
		91	3.38	-23.00	-51.38	-35.87	-38.51	-14.13	129.02	-197.45	-197.18	128.75	-9.38
		50	2.76	36.79	-4.64	14.00	18.15	-20.61	250.79	149.69	169.06	231.41	39.79
119	7	110	9.43	129.49	12.26	61.07	80.68	57.79	842.78	363.73	428.76	777.75	-164.09
		67	11.31	-81.99	-144.07	-91.19	-134.86	22.06	578.85	-407.93	-404.74	575.65	-56.06
		68	7.57	136.97	-18.36	124.16	-5.56	42.72	271.97	-65.40	234.30	-27.73	-106.25
		73	8.74	89.82	-61.69	31.38	-3.24	73.75	82.73	-319.87	-191.68	-45.46	-187.56
119	28	110	3.34	18.44	-25.12	-15.07	8.39	18.36	311.99	240.00	256.29	295.70	-30.12
		67	6.01	-35.53	-73.29	-71.02	-37.80	8.98	140.54	-329.42	-326.65	137.78	35.94
		68	2.17	41.98	0.38	40.56	1.80	-7.53	-14.65	-102.87	-24.19	-93.33	-27.39
		73	2.41	20.98	-32.28	-4.28	-7.01	26.60	27.99	-46.28	6.86	-25.15	-33.50
119	44	110	2.74	36.27	-3.19	15.91	17.17	19.72	252.63	153.87	177.72	228.78	-42.27
		67	3.59	-23.47	-50.25	-37.31	-36.42	13.38	113.20	-218.62	-218.35	112.93	9.47
		68	1.37	28.02	-0.48	27.23	0.30	4.66	8.16	-48.63	2.90	-43.36	-16.47
		73	2.76	13.07	-39.26	-20.69	-5.50	25.04	44.04	-66.75	0.38	-23.09	-54.14
119	76	110	6.15	70.46	-6.12	13.99	50.35	33.70	559.62	203.80	240.12	523.29	-107.73
		67	7.20	-77.04	-89.27	-77.75	-88.56	2.87	427.97	-213.05	-209.85	424.77	-45.16
		68	6.78	120.33	-13.22	113.96	-6.86	28.45	255.44	-4.51	226.17	24.76	-82.18
		73	6.93	99.42	-20.87	77.88	0.67	46.12	16.33	-250.00	-200.88	-32.79	-103.29
119	77	110	4.74	67.49	-8.75	25.58	33.16	37.93	425.23	245.96	285.27	385.92	-74.18
		67	5.60	-39.66	-87.07	-59.23	-67.51	23.34	209.25	-337.46	-337.21	209.00	11.75
		68	2.43	48.11	-0.10	45.96	2.06	9.97	30.88	-81.45	22.48	-73.06	-29.54
		73	4.75	24.53	-65.47	-32.92	-8.02	43.24	78.13	-114.87	-5.75	-30.99	-95.67
119	80	110	2.73	36.91	-4.35	14.23	18.33	20.53	246.99	145.64	165.50	227.14	-40.23
		67	3.35	-22.57	-51.44	-35.61	-38.41	14.37	126.08	-195.85	-195.61	125.84	8.82
		68	1.39	27.34	-0.54	26.48	0.33	4.83	12.81	-46.21	9.27	-42.67	-14.00
		73	2.77	13.86	-39.41	-20.01	-5.54	25.63	42.76	-64.97	-1.58	-20.63	-53.02
120	5	122	10.81	83.03	-38.98	64.42	-20.37	43.87	1142.24	655.71	656.01	1141.95	11.96
		110	8.45	72.15	35.75	36.87	71.03	6.29	582.92	-172.83	-164.21	574.30	-80.28
		73	7.68	120.16	0.32	106.36	14.12	38.26	141.94	-222.77	-157.22	76.39	-140.04
		85	5.53	68.40	-41.68	42.92	-16.20	-46.43	262.78	58.30	261.17	59.91	-18.06
120	28	122	2.50	8.00	-2.05	6.91	-0.96	3.13	277.86	85.95	86.13	277.67	-5.98
		110	2.80	19.53	-6.92	-6.79	19.40	1.84	206.15	13.05	16.12	203.08	-24.15
		73	1.76	8.89	-23.59	-13.27	-1.44	15.12	71.71	8.68	62.51	17.88	-22.26
		85	0.94	-0.40	-9.95	-9.04	-1.31	-2.80	-42.32	-71.21	-69.07	-44.45	-7.56
120	57	122	3.09	35.18	-1.99	34.47	-1.28	5.08	326.49	173.70	179.41	320.77	-28.99
		110	2.17	24.39	18.56	22.64	20.32	2.67	169.36	-37.17	-29.27	161.46	-39.61
		73	2.46	6.78	-32.89	-25.21	-0.91	15.67	95.18	-23.34	49.37	22.46	-57.71
		85	1.29	-1.04	-24.73	-23.75	-2.03	-4.74	1.67	-52.72	-21.81	-29.24	-26.94
120	76	122	7.43	57.11	-26.25	44.95	-14.09	29.42	784.38	448.58	448.70	784.26	6.34
		110	5.78	49.64	25.44	26.31	48.78	4.49	401.10	-117.13	-111.00	394.98	-56.01
		73	5.12	78.84	-0.69	68.97	9.18	26.22	98.47	-148.60	-102.01	51.88	-96.64
		85	3.67	44.58	-28.50	27.13	-11.05	-31.16	173.87	36.48	172.42	37.94	-14.08
120	77	122	5.18	60.75	1.15	58.35	3.55	11.71	539.72	282.10	290.44	531.37	-45.62
		110	3.71	41.20	29.82	37.00	34.03	5.49	292.22	-65.85	-49.33	275.70	-75.12
		73	4.37	17.18	-57.72	-40.99	0.45	31.20	161.51	-31.92	83.40	46.19	-94.91
		85	2.30	-0.50	-42.38	-40.31	-2.56	-9.08	-6.18	-97.93	-48.01	-56.10	-45.70
120	80	122	3.01	31.39	-1.70	30.57	-0.87	5.16	319.13	157.67	161.66	315.14	-25.06

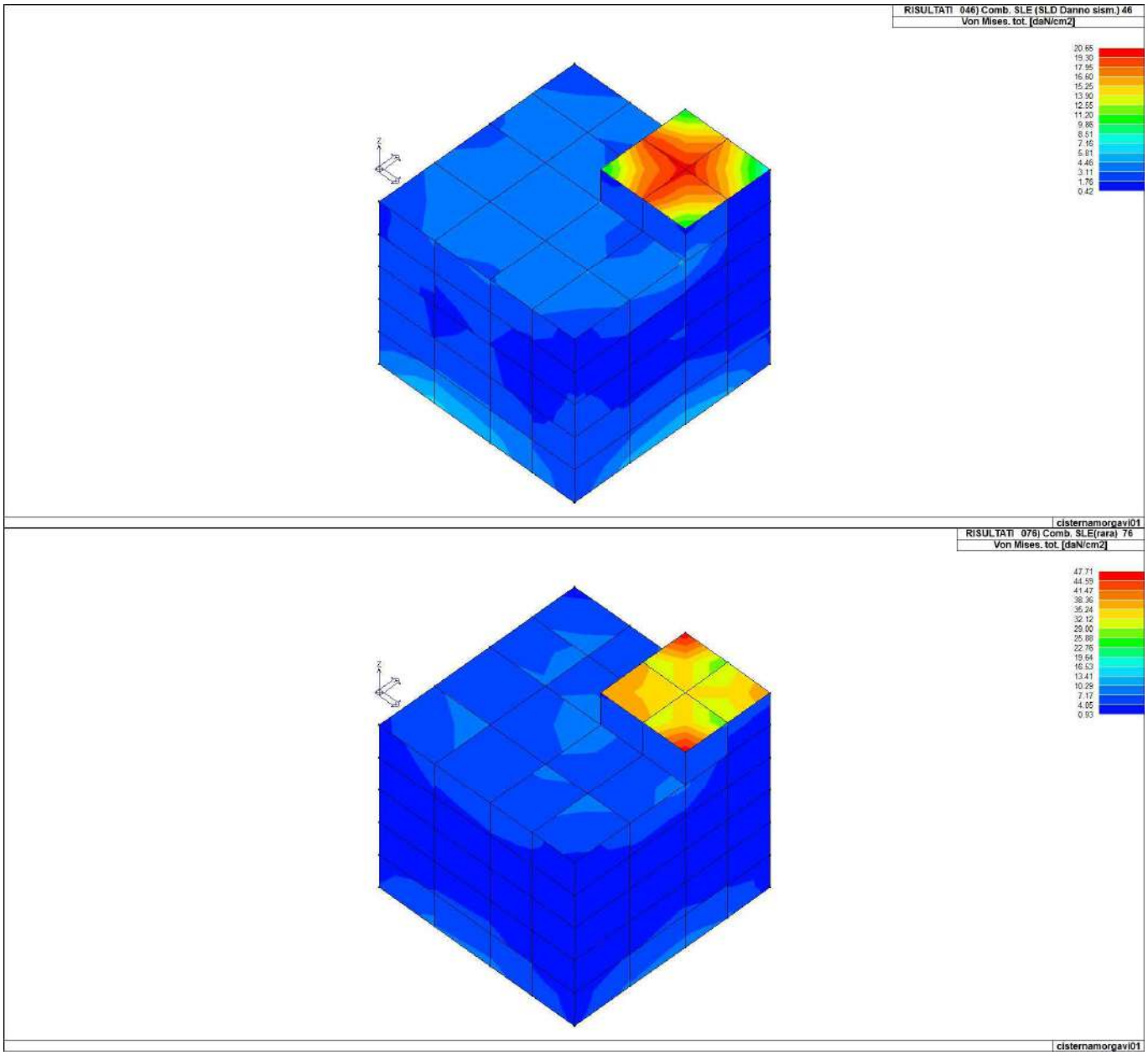
cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

	110	2.20	23.74	16.77	20.55	19.96	3.47	174.67	-30.13	-22.17	166.71	-39.58
	73	2.35	6.82	-32.21	-24.44	-0.95	15.58	88.45	-17.36	48.23	22.86	-51.36
	85	1.26	-1.20	-23.00	-22.12	-2.08	-4.29	-5.56	-57.55	-29.20	-33.90	-25.89
Elem.		**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-162.95	-119.32	-135.59	-74.49		-1994.69	-1871.47	-1990.77	-801.45
		70.57	187.34		146.27	153.73	73.75	1934.00		1476.45	1760.68	749.28

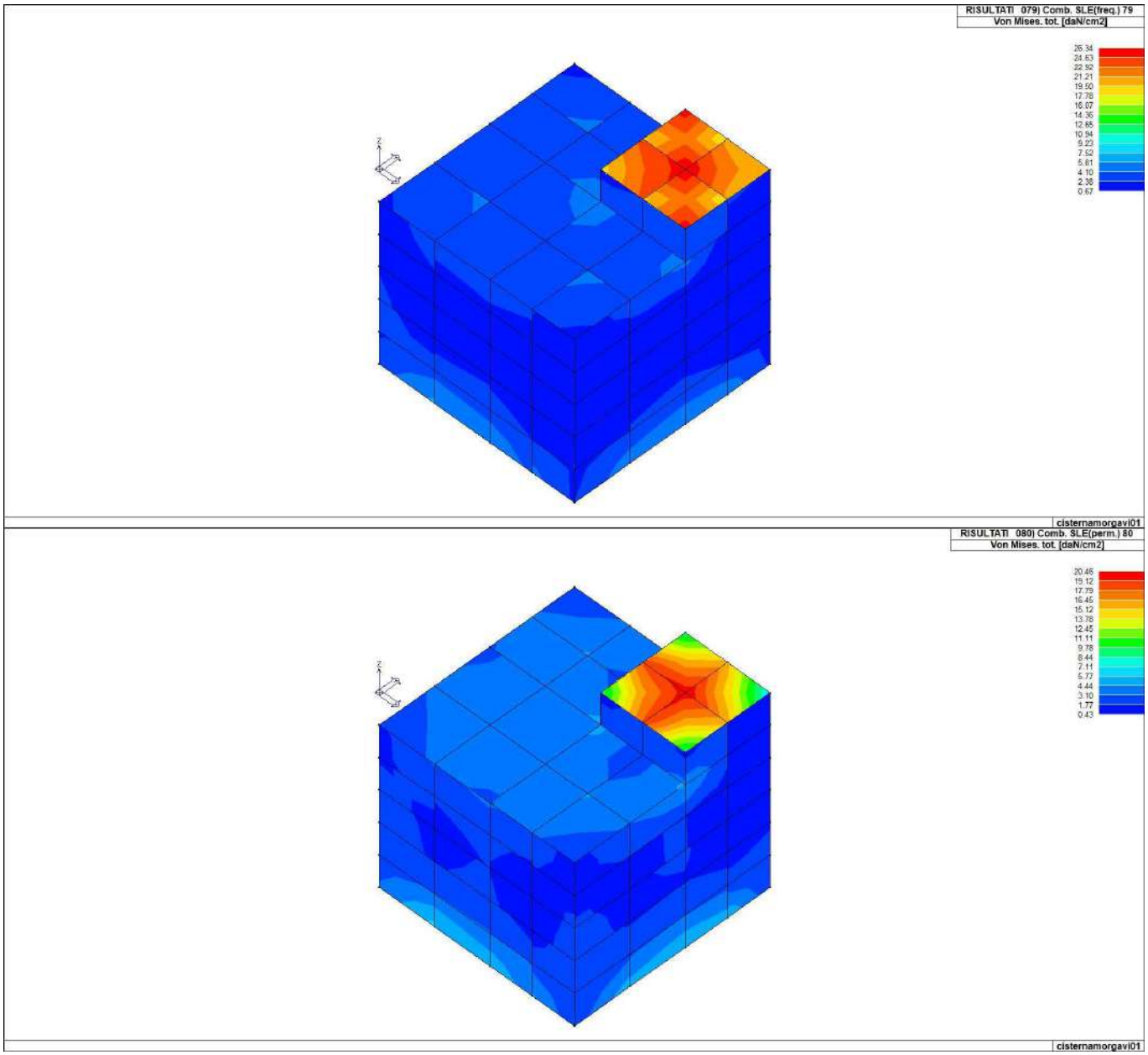




cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R



VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per la progettazione come *Singolo Elemento* di ogni elementovengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	25.00	6	3	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.12	8.24e-02	1.22e-02	7.7	7.7	7.7	7.7	-26.7	-13.7	50.3	-36.8	32.3	-132.8
2	ok	0.12	7.78e-02	7.81e-03	7.7	7.7	7.7	7.7	8.2	5.29e-02	-34.6	-0.8	14.2	78.9
9	ok	0.12	0.3	2.22e-02	7.7	7.7	7.7	7.7	-10.1	-2.9	-3.9	-547.3	-137.1	91.2
12	ok	0.12	0.2	2.66e-02	7.7	7.7	7.7	7.7	-92.8	-47.8	66.8	-553.7	-125.3	-122.5
16	ok	0.12	0.2	2.07e-02	7.7	7.7	7.7	7.7	-76.9	-48.0	-56.2	-353.4	-50.1	149.1
27	ok	0.12	0.1	8.26e-03	7.7	7.7	7.7	7.7	4.9	34.9	-11.3	73.7	795.7	-75.5
28	ok	0.12	0.1	1.78e-02	7.7	7.7	7.7	7.7	-75.3	31.3	12.2	-577.7	-447.5	-198.9
29	ok	0.12	0.2	7.33e-03	7.7	7.7	7.7	7.7	-7.1	35.7	9.3	197.9	1065.4	32.4
30	ok	0.12	8.46e-02	1.51e-02	7.7	7.7	7.7	7.7	-63.5	40.8	13.8	-263.9	-377.1	-3.8
31	ok	0.12	0.1	5.60e-03	7.7	7.7	7.7	7.7	-3.0	27.6	10.3	177.5	934.1	15.6
32	ok	0.12	7.76e-02	1.44e-02	7.7	7.7	7.7	7.7	-59.6	34.4	15.3	-135.3	-268.4	108.8
33	ok	0.12	9.31e-02	3.69e-03	7.7	7.7	7.7	7.7	11.2	18.9	6.8	49.2	591.5	8.0
34	ok	0.12	8.65e-02	1.50e-02	7.7	7.7	7.7	7.7	-63.7	13.8	8.4	-269.2	-184.7	290.7
35	ok	0.12	4.55e-02	4.78e-03	7.7	7.7	7.7	7.7	18.7	-7.0	-24.5	-102.4	95.3	131.0
36	ok	0.12	0.2	1.97e-02	7.7	7.7	7.7	7.7	-57.6	-39.9	-32.9	-1208.5	-208.6	116.9
39	ok	0.12	0.1	1.76e-02	7.7	7.7	7.7	7.7	-69.3	30.5	-2.1	-790.2	-509.6	44.7
40	ok	0.12	0.1	1.69e-02	7.7	7.7	7.7	7.7	-76.8	40.6	6.1	-427.1	-513.3	-5.5
41	ok	0.12	8.51e-02	1.70e-02	7.7	7.7	7.7	7.7	-73.6	34.2	7.2	-256.0	-443.1	-28.7
42	ok	0.12	8.40e-02	1.65e-02	7.7	7.7	7.7	7.7	-72.1	5.9	10.9	-426.2	-288.6	-120.4
43	ok	0.12	0.2	2.11e-02	7.7	7.7	7.7	7.7	-65.7	-53.2	36.4	-1518.1	-274.8	-76.2
45	ok	0.12	0.1	1.40e-02	7.7	7.7	7.7	7.7	-55.8	35.0	-6.8	-447.0	-255.6	162.2
46	ok	0.12	7.15e-02	1.08e-02	7.7	7.7	7.7	7.7	-43.6	40.9	-6.5	-177.7	-144.8	-33.9
47	ok	0.12	6.23e-02	1.05e-02	7.7	7.7	7.7	7.7	-41.8	34.5	-9.5	-76.8	-56.3	-133.2
48	ok	0.12	7.11e-02	1.16e-02	7.7	7.7	7.7	7.7	-48.6	16.1	0.2	-183.4	-41.6	-293.9
49	ok	0.12	0.1	1.97e-02	7.7	7.7	7.7	7.7	-47.7	-44.5	43.9	-707.1	-117.2	-282.0
51	ok	0.12	0.1	8.95e-03	7.7	7.7	7.7	7.7	22.2	42.9	11.4	67.1	885.8	-27.8
52	ok	0.12	0.2	7.60e-03	7.7	7.7	7.7	7.7	8.5	35.1	-9.8	198.9	1099.2	-43.1
53	ok	0.12	0.2	6.04e-03	7.7	7.7	7.7	7.7	14.9	32.2	0.8	176.8	940.6	-32.6
54	ok	0.12	9.38e-02	4.10e-03	7.7	7.7	7.7	7.7	21.5	19.6	-7.7	40.3	594.9	-12.7

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

55	ok	0.12	4.48e-02	4.65e-03	7.7	7.7	7.7	7.7	24.4	-9.2	23.5	-60.8	84.7	-90.1

Nodo		x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-92.79	-53.20	-56.16	-1518.15	-513.29	-293.94
		0.12	0.30	0.03	7.70	7.70	7.70	7.70	24.39	42.93	66.76	198.91	1099.15	290.70

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
1	ok	1.06						
2	ok	0.97						
9	ok	1.93						
12	ok	1.59						
16	ok	1.39						
27	ok	1.59						
28	ok	2.12						
29	ok	1.24						
30	ok	1.13						
31	ok	1.01						
32	ok	1.06						
33	ok	1.11						
34	ok	1.34						
35	ok	0.68						
36	ok	1.17						
39	ok	2.08						
40	ok	0.85						
41	ok	0.88						
42	ok	1.36						
43	ok	1.33						
45	ok	1.87						
46	ok	1.23						
47	ok	1.03						
48	ok	1.20						
49	ok	1.15						
51	ok	1.47						
52	ok	1.37						
53	ok	1.10						
54	ok	0.93						
55	ok	0.59						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.12						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	25.00	6	3	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
2	ok	0.12	6.88e-02	9.51e-03	7.7	7.7	7.7	7.7	26.6	17.8	-21.2	54.3	4.7	-98.7
4	ok	0.12	6.35e-02	1.04e-02	7.7	7.7	7.7	7.7	5.3	-17.1	38.2	88.3	-223.7	194.2
5	ok	0.12	0.3	2.08e-02	7.7	7.7	7.7	7.7	-73.2	-40.5	34.8	1755.8	384.9	76.5
15	ok	0.12	0.2	2.05e-02	7.7	7.7	7.7	7.7	-66.6	-28.5	37.1	1125.7	252.4	-105.6
26	ok	0.12	0.2	2.73e-02	7.7	7.7	7.7	7.7	-87.8	-28.5	59.7	727.6	184.7	408.4
51	ok	0.12	0.1	8.16e-03	7.7	7.7	7.7	7.7	20.4	34.4	14.9	-68.5	-896.0	-146.1
52	ok	0.12	0.2	8.45e-03	7.7	7.7	7.7	7.7	10.1	29.0	12.6	-165.5	-1077.9	-40.3
53	ok	0.12	0.1	5.78e-03	7.7	7.7	7.7	7.7	12.8	20.4	5.7	-141.0	-935.2	36.2
54	ok	0.12	9.41e-02	3.03e-03	7.7	7.7	7.7	7.7	19.0	12.3	5.1	-12.1	-586.4	107.2
55	ok	0.12	4.42e-02	4.59e-03	7.7	7.7	7.7	7.7	13.3	11.3	26.2	44.8	13.9	103.8
57	ok	0.12	0.2	1.50e-02	7.7	7.7	7.7	7.7	-67.2	35.1	7.3	728.5	575.5	-456.5
58	ok	0.12	0.1	1.37e-02	7.7	7.7	7.7	7.7	-56.7	37.7	10.6	486.1	640.6	-58.4
59	ok	0.12	9.63e-02	1.35e-02	7.7	7.7	7.7	7.7	-52.0	29.1	1.0	370.5	550.4	130.0
60	ok	0.12	0.1	1.31e-02	7.7	7.7	7.7	7.7	-56.3	9.7	5.2	417.8	361.9	347.1
61	ok	0.12	0.2	1.85e-02	7.7	7.7	7.7	7.7	-63.8	-43.5	-8.19e-02	633.0	185.1	259.0
62	ok	0.12	6.55e-02	4.57e-03	7.7	7.7	7.7	7.7	68.3	-8.7	-9.8	-43.3	-119.6	-237.0
63	ok	0.12	0.2	2.07e-02	7.7	7.7	7.7	7.7	-82.0	16.6	37.4	975.7	617.5	190.9
64	ok	0.12	0.1	1.75e-02	7.7	7.7	7.7	7.7	-76.3	38.9	21.2	670.7	760.4	69.0
65	ok	0.12	0.1	1.72e-02	7.7	7.7	7.7	7.7	-77.2	35.2	12.6	468.2	699.1	-4.2
66	ok	0.12	0.1	1.93e-02	7.7	7.7	7.7	7.7	-80.2	15.0	11.5	353.3	595.9	-124.9
67	ok	0.12	0.2	3.58e-02	7.7	7.7	7.7	7.7	-111.0	-95.4	59.9	1054.6	543.1	-126.0
68	ok	0.12	5.44e-02	6.25e-03	7.7	7.7	7.7	7.7	-18.4	140.5	-41.4	-185.0	-232.1	-116.8
69	ok	0.12	0.1	1.69e-02	7.7	7.7	7.7	7.7	-71.8	33.0	24.9	574.0	345.3	500.4
70	ok	0.12	7.70e-02	1.10e-02	7.7	7.7	7.7	7.7	-47.1	44.1	9.8	322.1	278.3	77.3
71	ok	0.12	6.58e-02	1.02e-02	7.7	7.7	7.7	7.7	-31.2	31.5	18.6	194.4	147.3	-102.6
72	ok	0.12	5.52e-02	1.33e-02	7.7	7.7	7.7	7.7	-18.0	-40.2	29.8	144.7	-156.7	130.7
74	ok	0.12	9.21e-02	4.90e-03	7.7	7.7	7.7	7.7	11.3	143.1	-43.7	37.2	362.9	-209.6
75	ok	0.12	0.2	8.07e-03	7.7	7.7	7.7	7.7	21.0	42.6	-7.2	-63.8	-1073.3	56.8

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

76	ok	0.12	0.2	7.82e-03	7.7	7.7	7.7	7.7	16.4	38.4	7.8	-228.4	-1403.7	-2.7
77	ok	0.12	0.2	5.71e-03	7.7	7.7	7.7	7.7	21.8	27.9	7.2	-216.3	-1291.2	-31.3
78	ok	0.12	0.2	4.43e-03	7.7	7.7	7.7	7.7	33.4	20.9	-4.0	-151.5	-954.9	-49.3
79	ok	0.12	9.39e-02	1.00e-02	7.7	7.7	7.7	7.7	-26.5	-23.4	-19.0	-328.6	-414.1	43.3
80	ok	0.12	6.31e-02	4.69e-03	7.7	7.7	7.7	7.7	-13.7	98.5	29.2	-168.6	-343.5	8.9

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
								-111.02	-95.40	-43.73	-328.62	-1403.68	-456.55
	0.12	0.26	0.04	7.70	7.70	7.70	7.70	68.30	143.09	59.95	1755.83	760.39	500.43

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
2	ok	1.18						
4	ok	1.16						
5	ok	1.55						
15	ok	1.59						
26	ok	1.76						
51	ok	1.64						
52	ok	1.39						
53	ok	1.13						
54	ok	1.25						
55	ok	0.77						
57	ok	2.13						
58	ok	1.16						
59	ok	0.96						
60	ok	1.24						
61	ok	1.20						
62	ok	1.24						
63	ok	1.67						
64	ok	0.82						
65	ok	0.71						
66	ok	1.40						
67	ok	3.67						
68	ok	3.08						
69	ok	2.32						
70	ok	1.42						
71	ok	1.17						
72	ok	1.06						
74	ok	1.42						
75	ok	1.73						
76	ok	1.66						
77	ok	1.29						
78	ok	0.90						
79	ok	0.89						
80	ok	2.05						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	3.67						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	25.00	6	3	Singolo elemento FONDAZIONE

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
3	ok	0.12	6.02e-02	8.50e-03	7.7	7.7	7.7	7.7	-15.7	-13.1	35.1	72.3	-34.9	107.0
4	ok	0.12	6.71e-02	8.24e-03	7.7	7.7	7.7	7.7	10.5	0.4	-36.6	67.3	-73.3	-113.7
6	ok	0.12	0.3	1.99e-02	7.7	7.7	7.7	7.7	-64.5	-38.1	-30.7	1760.7	383.5	-84.8
20	ok	0.12	0.2	2.34e-02	7.7	7.7	7.7	7.7	-83.2	-39.7	40.1	1358.9	274.5	132.6
21	ok	0.12	0.2	2.90e-02	7.7	7.7	7.7	7.7	-97.9	-32.6	-58.7	669.9	150.7	-400.4
37	ok	0.12	6.65e-02	4.47e-03	7.7	7.7	7.7	7.7	47.4	-5.1	21.5	-59.5	-85.6	274.4
75	ok	0.12	0.2	9.41e-03	7.7	7.7	7.7	7.7	21.4	44.4	18.8	-74.6	-1074.9	-60.5
76	ok	0.12	0.2	7.99e-03	7.7	7.7	7.7	7.7	15.9	38.2	3.7	-228.1	-1405.0	-2.8
77	ok	0.12	0.2	5.81e-03	7.7	7.7	7.7	7.7	21.7	28.0	2.3	-212.8	-1291.8	24.0
78	ok	0.12	0.2	4.48e-03	7.7	7.7	7.7	7.7	29.0	17.8	6.3	-150.0	-970.8	33.1
79	ok	0.12	9.38e-02	1.08e-02	7.7	7.7	7.7	7.7	-31.1	-22.3	22.2	-328.5	-399.8	-52.0
80	ok	0.12	6.27e-02	4.62e-03	7.7	7.7	7.7	7.7	-13.4	99.2	-30.4	-163.8	-349.3	-16.4
81	ok	0.12	0.1	1.70e-02	7.7	7.7	7.7	7.7	-70.4	32.3	-8.7	530.9	329.3	-321.9
82	ok	0.12	7.80e-02	1.13e-02	7.7	7.7	7.7	7.7	-49.8	46.5	0.2	313.2	267.6	-83.2
83	ok	0.12	6.35e-02	8.38e-03	7.7	7.7	7.7	7.7	-33.1	34.2	-9.5	193.5	141.8	91.0
84	ok	0.12	5.27e-02	1.09e-02	7.7	7.7	7.7	7.7	-10.6	-18.7	-7.0	38.9	-240.6	-143.3
86	ok	0.12	9.22e-02	5.01e-03	7.7	7.7	7.7	7.7	11.8	146.3	42.3	37.3	363.3	207.7
87	ok	0.12	0.2	2.00e-02	7.7	7.7	7.7	7.7	-81.8	15.8	-31.7	950.4	603.3	-182.8

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

88	ok	0.12	0.1	1.77e-02	7.7	7.7	7.7	7.7	-79.9	41.5	-12.1	650.1	750.5	-66.9
89	ok	0.12	0.1	1.76e-02	7.7	7.7	7.7	7.7	-80.1	39.6	-5.3	456.5	702.9	-3.7
90	ok	0.12	9.97e-02	1.88e-02	7.7	7.7	7.7	7.7	-84.1	15.5	-1.9	430.3	607.9	67.6
91	ok	0.12	0.2	3.39e-02	7.7	7.7	7.7	7.7	-112.1	-77.5	-55.6	1086.4	539.2	114.5
92	ok	0.12	5.74e-02	6.33e-03	7.7	7.7	7.7	7.7	-18.2	135.5	42.0	-185.9	-248.5	125.4
93	ok	0.12	0.2	1.77e-02	7.7	7.7	7.7	7.7	-75.3	27.7	2.3	663.1	576.2	299.1
94	ok	0.12	0.1	1.50e-02	7.7	7.7	7.7	7.7	-67.3	44.8	-4.4	445.4	620.3	66.2
95	ok	0.12	9.38e-02	1.46e-02	7.7	7.7	7.7	7.7	-59.5	38.5	4.3	330.7	538.2	-124.1
96	ok	0.12	0.1	1.42e-02	7.7	7.7	7.7	7.7	-61.5	18.0	-2.5	414.3	361.9	-353.2
97	ok	0.12	0.2	1.66e-02	7.7	7.7	7.7	7.7	-67.1	-37.9	3.8	730.4	202.4	-264.3
99	ok	0.12	0.2	6.47e-03	7.7	7.7	7.7	7.7	10.0	39.5	-13.1	-82.8	-991.2	95.9
100	ok	0.12	0.2	6.15e-03	7.7	7.7	7.7	7.7	2.9	38.3	-3.2	-214.2	-1281.6	22.2
101	ok	0.12	0.2	4.36e-03	7.7	7.7	7.7	7.7	11.4	33.7	-8.0	-195.8	-1146.1	-16.4
102	ok	0.12	0.1	2.87e-03	7.7	7.7	7.7	7.7	17.4	20.8	-1.6	-44.9	-726.2	-56.6
103	ok	0.12	4.31e-02	4.76e-03	7.7	7.7	7.7	7.7	17.6	-8.4	-22.9	119.9	-115.1	-153.3

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-112.14	-77.53	-58.66	-328.51	-1404.96	-400.44
	0.12	0.26	0.03	7.70	7.70	7.70	7.70	47.37	146.27	42.31	1760.68	750.52	299.07

Nodo	**Stato**	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		daN/cm2					daN/cm	daN/cm
3	ok	1.09						
4	ok	1.13						
6	ok	1.59						
20	ok	1.67						
21	ok	1.86						
37	ok	1.22						
75	ok	1.68						
76	ok	1.64						
77	ok	1.28						
78	ok	0.88						
79	ok	0.90						
80	ok	2.07						
81	ok	2.35						
82	ok	1.40						
83	ok	1.16						
84	ok	1.06						
86	ok	1.41						
87	ok	1.68						
88	ok	0.81						
89	ok	0.71						
90	ok	1.42						
91	ok	3.69						
92	ok	3.12						
93	ok	2.11						
94	ok	1.22						
95	ok	0.99						
96	ok	1.26						
97	ok	1.24						
99	ok	1.63						
100	ok	1.52						
101	ok	1.27						
102	ok	1.31						
103	ok	0.77						

Nodo	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
	3.69						

Macro Setto	**Spessore**	**Id Materiale**	**Id Criterio**	**Progettazione**
	cm			
7	25.00	6	3	Singolo elemento FONDAZIONE

Nodo	**Stato**	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.12	8.63e-02	1.26e-02	7.7	7.7	7.7	7.7	10.9	18.6	-47.8	-34.6	-3.6	129.9
3	ok	0.12	6.31e-02	1.06e-02	7.7	7.7	7.7	7.7	6.4	-14.0	38.9	-58.5	220.4	-183.9
8	ok	0.12	0.3	2.28e-02	7.7	7.7	7.7	7.7	-64.7	-40.6	50.3	-1688.7	-383.1	-79.9
10	ok	0.12	0.2	3.12e-02	7.7	7.7	7.7	7.7	-93.8	-45.9	68.9	-1063.3	-209.1	91.9
23	ok	0.12	0.2	2.64e-02	7.7	7.7	7.7	7.7	-78.0	-26.7	-45.1	-887.0	-178.9	-93.8
27	ok	0.12	0.1	1.35e-02	7.7	7.7	7.7	7.7	1.1	33.7	16.1	74.9	879.4	135.2
29	ok	0.12	0.2	1.18e-02	7.7	7.7	7.7	7.7	-4.6	29.7	15.6	167.5	1079.1	25.2
31	ok	0.12	0.2	8.14e-03	7.7	7.7	7.7	7.7	1.1	21.7	7.3	152.3	953.5	-56.7

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

33	ok	0.12	0.1	3.80e-03	7.7	7.7	7.7	7.7	11.0	12.4	5.7	31.2	621.4	-123.1
35	ok	0.12	4.55e-02	4.93e-03	7.7	7.7	7.7	7.7	15.2	13.4	31.0	-47.0	11.4	-114.1
44	ok	0.12	0.1	1.79e-02	7.7	7.7	7.7	7.7	-43.5	-26.9	-37.3	-746.8	-139.3	176.6
99	ok	0.12	0.2	9.36e-03	7.7	7.7	7.7	7.7	11.0	43.5	-11.6	73.8	1002.7	-48.6
100	ok	0.12	0.2	7.82e-03	7.7	7.7	7.7	7.7	4.5	37.2	7.6	209.5	1305.5	10.1
101	ok	0.12	0.2	6.02e-03	7.7	7.7	7.7	7.7	12.7	34.7	-2.3	197.2	1167.5	58.6
102	ok	0.12	0.1	4.04e-03	7.7	7.7	7.7	7.7	20.1	21.9	6.4	58.8	756.5	82.7
103	ok	0.12	4.40e-02	4.29e-03	7.7	7.7	7.7	7.7	25.9	-7.3	-23.7	-44.9	123.1	125.7
105	ok	0.12	0.1	1.58e-02	7.7	7.7	7.7	7.7	-69.0	32.3	18.6	-551.3	-339.7	-453.9
106	ok	0.12	6.83e-02	1.21e-02	7.7	7.7	7.7	7.7	-53.9	44.6	1.5	-340.6	-306.4	-33.3
107	ok	0.12	6.88e-02	1.10e-02	7.7	7.7	7.7	7.7	-44.6	36.3	10.9	-255.3	-222.0	182.6
108	ok	0.12	0.1	1.16e-02	7.7	7.7	7.7	7.7	-47.9	19.4	0.9	-290.1	-150.3	444.5
111	ok	0.12	0.2	2.00e-02	7.7	7.7	7.7	7.7	-80.5	16.1	30.4	-944.2	-598.1	-147.9
112	ok	0.12	0.1	1.74e-02	7.7	7.7	7.7	7.7	-79.1	37.0	8.5	-695.1	-732.9	-23.9
113	ok	0.12	0.1	1.70e-02	7.7	7.7	7.7	7.7	-72.8	34.3	5.0	-541.4	-652.4	55.9
114	ok	0.12	0.1	1.60e-02	7.7	7.7	7.7	7.7	-69.7	-10.2	-6.3	-362.7	-117.6	13.5
115	ok	0.12	0.2	1.91e-02	7.7	7.7	7.7	7.7	-63.5	-43.9	-32.3	-1245.1	-240.2	90.7
117	ok	0.12	0.2	1.88e-02	7.7	7.7	7.7	7.7	-81.7	36.1	2.0	-712.6	-547.8	477.3
118	ok	0.12	9.97e-02	1.53e-02	7.7	7.7	7.7	7.7	-67.0	38.0	4.7	-494.1	-600.3	62.1
119	ok	0.12	9.34e-02	1.40e-02	7.7	7.7	7.7	7.7	-56.7	29.4	-3.2	-390.0	-498.6	-148.3
120	ok	0.12	0.1	1.37e-02	7.7	7.7	7.7	7.7	-58.6	14.4	-0.4	-414.2	-336.7	-405.8
121	ok	0.12	0.2	1.93e-02	7.7	7.7	7.7	7.7	-54.9	-34.9	42.2	-648.4	-164.8	-288.1

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-93.81	-45.88	-47.82	-1688.74	-732.89	-453.93
	0.12	0.25	0.03	7.70	7.70	7.70	7.70	25.93	44.60	68.92	209.48	1305.49	477.27

Nodo	**Stato**	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		daN/cm2					daN/cm	daN/cm
1	ok	1.25						
3	ok	1.14						
8	ok	1.47						
10	ok	1.63						
23	ok	1.58						
27	ok	1.64						
29	ok	1.37						
31	ok	1.14						
33	ok	1.27						
35	ok	0.90						
44	ok	1.48						
99	ok	1.60						
100	ok	1.60						
101	ok	1.35						
102	ok	1.25						
103	ok	0.85						
105	ok	2.18						
106	ok	1.38						
107	ok	1.15						
108	ok	1.54						
111	ok	1.48						
112	ok	0.78						
113	ok	0.63						
114	ok	0.84						
115	ok	0.88						
117	ok	2.05						
118	ok	1.16						
119	ok	0.99						
120	ok	1.30						
121	ok	1.39						

Nodo	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
	2.18						

Macro Setto	**Spessore**	**Id Materiale**	**Id Criterio**	**Progettazione**
	cm			
8	25.00	6	3	Singolo elemento FONDAZIONE

Nodo	**Stato**	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									daN/cm	daN/cm	daN/cm	daN	daN	daN
50	ok	0.12	0.1	8.27e-03	7.7	7.7	7.7	7.7	60.1	1.3	61.9	690.4	381.4	-145.9
85	ok	0.12	4.68e-02	1.15e-02	7.7	7.7	7.7	7.7	-15.5	57.2	-42.7	101.5	274.4	-19.0
91	ok	0.12	0.1	3.23e-02	7.7	7.7	7.7	7.7	-123.4	-131.4	18.0	454.1	-458.4	-15.1
92	ok	0.12	7.32e-02	4.10e-03	7.7	7.7	7.7	7.7	-9.7	171.4	40.7	62.8	345.1	-106.1

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

109	ok	0.12	7.58e-02	1.41e-02	7.7	7.7	7.7	7.7	1.3	122.5	67.2	-48.6	-318.8	-146.1
122	ok	0.12	0.2	8.73e-03	7.7	7.7	7.7	7.7	-21.8	37.9	37.6	939.8	558.6	23.9

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-123.41	-131.36	-42.67	-48.61	-458.44	-146.10
	0.12	0.18	0.03	7.70	7.70	7.70	7.70	60.13	171.45	67.21	939.79	558.62	23.89

Nodo	**Stato**	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		daN/cm2					daN/cm	daN/cm
50	ok	1.08						
85	ok	1.85						
91	ok	2.46						
92	ok	2.54						
109	ok	1.30						
122	ok	2.80						

Nodo	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
	2.80						

Macro Setto	**Spessore**	**Id Materiale**	**Id Criterio**	**Progettazione**
	cm			
9	25.00	6	3	Singolo elemento FONDAZIONE

Nodo	**Stato**	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									daN/cm	daN/cm	daN/cm	daN	daN	daN
67	ok	0.12	0.1	3.15e-02	7.7	7.7	7.7	7.7	-122.8	-128.0	-14.3	480.1	-475.1	17.7
68	ok	0.12	7.27e-02	4.34e-03	7.7	7.7	7.7	7.7	-3.0	146.0	-26.4	-32.4	210.8	94.7
73	ok	0.12	7.29e-02	1.42e-02	7.7	7.7	7.7	7.7	-5.5	58.2	-71.0	-56.1	-178.3	153.0
85	ok	0.12	4.62e-02	1.23e-02	7.7	7.7	7.7	7.7	-12.4	-18.5	40.5	1.0	153.5	60.8
110	ok	0.12	0.1	6.07e-03	7.7	7.7	7.7	7.7	80.7	61.1	-57.8	777.7	428.8	164.1
122	ok	0.12	0.2	8.74e-03	7.7	7.7	7.7	7.7	-15.1	112.8	-36.8	1245.6	746.4	43.9

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
								-122.77	-127.99	-70.98	-56.09	-475.12	17.68
	0.12	0.19	0.03	7.70	7.70	7.70	7.70	80.68	146.05	40.52	1245.58	746.44	164.09

Nodo	**Stato**	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		daN/cm2					daN/cm	daN/cm
67	ok	2.76						
68	ok	2.58						
73	ok	1.38						
85	ok	1.78						
110	ok	1.14						
122	ok	2.77						

Nodo	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
	2.77						

Macro Guscio	**Spessore**	**Id Materiale**	**Id Criterio**	**Progettazione**
	cm			
1	25.00	6	3	Singolo elemento

Nodo	**Stato**	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.10	0.1	6.72e-03	7.7	7.7	7.7	7.7	-1.9	-9.7	24.4	-243.0	-138.9	-515.9
2	ok	0.10	8.61e-02	7.08e-03	7.7	7.7	7.7	7.7	-12.2	-17.3	-15.3	-187.7	-94.5	371.8
3	ok	0.10	9.63e-02	7.89e-03	7.7	7.7	7.7	7.7	3.3	8.8	4.1	-140.5	-188.1	248.6
4	ok	0.10	9.13e-02	9.52e-03	7.7	7.7	7.7	7.7	-16.6	-14.6	27.9	-158.3	-200.9	-410.2
5	ok	0.10	0.3	1.23e-02	7.7	7.7	7.7	7.7	13.5	18.9	24.4	-101.4	-846.1	-119.3
6	ok	0.10	0.3	1.17e-02	7.7	7.7	7.7	7.7	-42.8	-36.7	13.2	-1667.2	-270.0	-77.8
7	ok	0.10	0.2	7.89e-03	7.7	7.7	7.7	7.7	-33.9	-28.8	0.2	1252.4	1197.8	-82.4
8	ok	0.10	0.2	1.10e-02	7.7	7.7	7.7	7.7	-27.3	-37.7	3.7	-285.6	-1556.9	112.6
9	ok	0.10	0.3	1.17e-02	7.7	7.7	7.7	7.7	-51.0	-23.9	-8.4	-1871.5	-314.1	87.7
10	ok	0.10	0.2	1.02e-02	7.7	7.7	7.7	7.7	-31.8	-33.2	-7.7	-137.6	-1367.9	-346.1
11	ok	0.10	0.3	1.07e-02	7.7	7.7	7.7	7.7	1.1	11.9	-1.6	1342.3	1305.2	-706.9
12	ok	0.10	0.3	1.25e-02	7.7	7.7	7.7	7.7	-40.5	-23.5	-4.3	-1692.6	-221.4	-273.6
13	ok	0.10	0.2	8.91e-03	7.7	7.7	7.7	7.7	3.3	17.0	-7.3	967.4	1319.4	136.3
14	ok	0.10	0.2	9.72e-03	7.7	7.7	7.7	7.7	5.7	6.8	4.6	1315.1	943.1	146.3
15	ok	0.10	0.2	8.86e-03	7.7	7.7	7.7	7.7	2.6	16.3	24.3	10.3	-772.6	490.5
16	ok	0.10	0.2	9.95e-03	7.7	7.7	7.7	7.7	-42.4	-14.5	-9.7	-1215.1	-240.8	355.7

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

17	ok	0.10	0.3	9.54e-03	7.7	7.7	7.7	7.7	-4.7	13.3	11.9	1050.2	1027.7	749.3
18	ok	0.10	0.2	9.41e-03	7.7	7.7	7.7	7.7	2.6	18.0	12.6	830.1	1196.2	-192.6
20	ok	0.10	0.2	1.16e-02	7.7	7.7	7.7	7.7	-42.9	-30.1	-14.9	-1292.2	-133.4	301.1
21	ok	0.10	0.2	1.30e-02	7.7	7.7	7.7	7.7	-39.9	-35.6	-6.7	-1198.8	-112.0	-310.4
22	ok	0.10	0.3	1.04e-02	7.7	7.7	7.7	7.7	13.0	7.9	-5.3	1059.1	1066.4	720.9
23	ok	0.10	0.2	1.04e-02	7.7	7.7	7.7	7.7	-24.6	-29.5	1.8	-129.7	-1144.0	376.3
24	ok	0.10	0.2	8.85e-03	7.7	7.7	7.7	7.7	15.0	-2.0	6.7	1092.8	726.2	-181.2
25	ok	0.10	0.3	1.18e-02	7.7	7.7	7.7	7.7	8.4	8.1	13.7	1030.1	1066.6	-879.1
26	ok	0.10	0.2	1.24e-02	7.7	7.7	7.7	7.7	-9.9	5.6	21.6	29.2	-829.3	-505.3

Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
								-50.97	-37.70	-15.33	-1871.47	-1556.90	-879.06
	0.10	0.31	0.01	7.70	7.70	7.70	7.70	14.98	18.95	27.88	1342.32	1319.44	749.28

Nodo	**Stato**	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		daN/cm2					daN/cm	daN/cm
1	ok	1.89						
2	ok	1.54						
3	ok	2.05						
4	ok	2.11						
5	ok	2.46						
6	ok	2.48						
7	ok	1.09						
8	ok	2.37						
9	ok	2.47						
10	ok	1.76						
11	ok	4.03						
12	ok	2.27						
13	ok	2.26						
14	ok	2.53						
15	ok	2.44						
16	ok	2.10						
17	ok	4.09						
18	ok	2.50						
20	ok	2.38						
21	ok	2.30						
22	ok	3.83						
23	ok	1.76						
24	ok	2.31						
25	ok	4.49						
26	ok	2.60						

Nodo	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
	4.49						

Macro Guscio	**Spessore**	**Id Materiale**	**Id Criterio**	**Progettazione**
	cm			
3	25.00	6	3	Singolo elemento

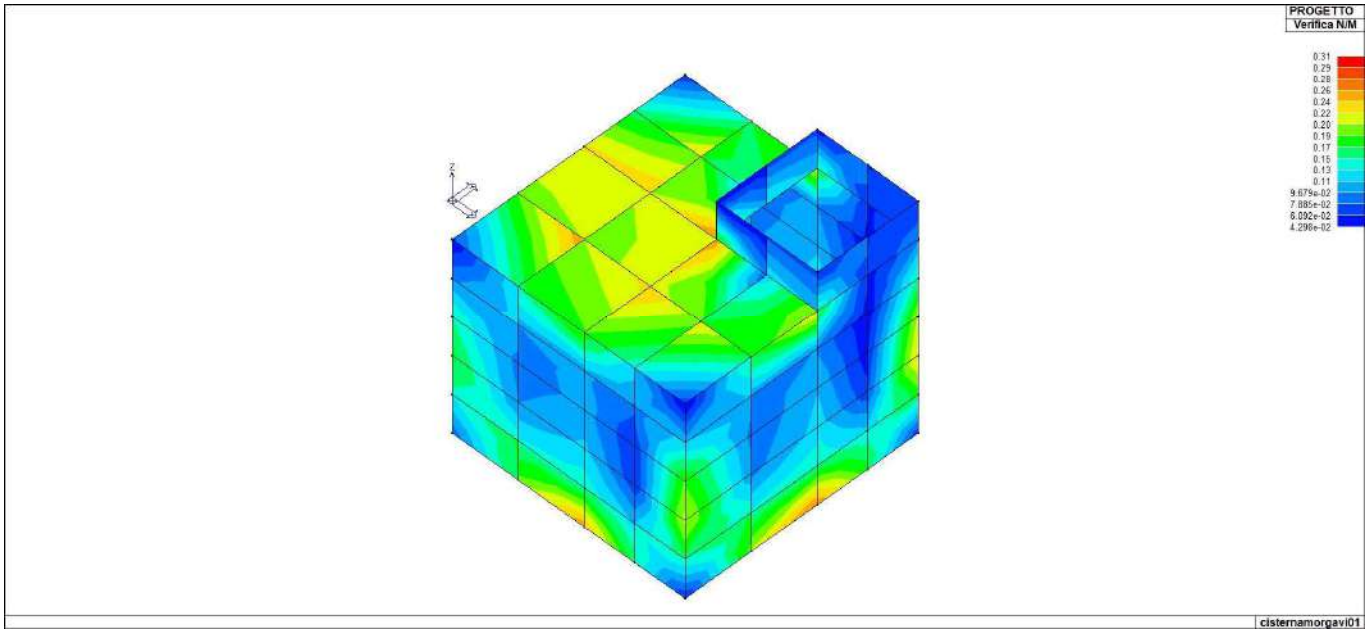
Nodo	**Stato**	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									daN/cm	daN/cm	daN/cm	daN	daN	daN
19	ok	0.10	0.2	1.03e-02	7.7	7.7	7.7	7.7	21.5	3.9	-10.6	-1428.9	-1070.6	-231.1
35	ok	0.10	7.31e-02	4.95e-03	7.7	7.7	7.7	7.7	-7.3	-11.0	13.3	133.9	108.2	357.3
36	ok	0.10	0.2	9.07e-03	7.7	7.7	7.7	7.7	-24.7	-33.0	5.7	1246.7	175.7	244.0
38	ok	0.10	0.2	1.20e-02	7.7	7.7	7.7	7.7	6.8	5.0	-24.1	-782.2	-969.2	-633.1
43	ok	0.10	0.2	1.18e-02	7.7	7.7	7.7	7.7	-32.2	-48.7	-10.8	1493.3	213.2	-68.6
44	ok	0.10	0.1	8.45e-03	7.7	7.7	7.7	7.7	-22.7	-12.3	-12.0	115.3	748.8	-362.4
49	ok	0.10	0.2	1.14e-02	7.7	7.7	7.7	7.7	-23.6	-29.7	-19.8	897.4	146.3	-305.5
50	ok	0.10	0.1	1.20e-02	7.7	7.7	7.7	7.7	46.5	-4.1	13.3	-610.3	-564.6	213.3
55	ok	0.10	6.45e-02	5.39e-03	7.7	7.7	7.7	7.7	-7.1	-10.4	-15.8	155.0	93.1	-294.8
61	ok	0.10	0.2	1.08e-02	7.7	7.7	7.7	7.7	-38.2	-5.2	-22.3	-83.2	735.0	-360.5
67	ok	0.10	0.2	2.40e-02	7.7	7.7	7.7	7.7	-58.8	-44.5	-11.7	-240.3	773.6	279.6
91	ok	0.10	0.2	2.20e-02	7.7	7.7	7.7	7.7	-45.7	-45.3	-3.2	822.7	-197.8	271.3
97	ok	0.10	0.2	8.54e-03	7.7	7.7	7.7	7.7	-19.9	-26.1	-13.5	1030.5	46.4	-212.0
98	ok	0.10	0.3	6.99e-03	7.7	7.7	7.7	7.7	-4.0	7.9	22.7	-1142.3	-1130.6	553.9
103	ok	0.10	6.88e-02	6.15e-03	7.7	7.7	7.7	7.7	5.3	4.2	-10.7	79.2	123.1	-206.2
104	ok	0.10	0.2	1.52e-02	7.7	7.7	7.7	7.7	-2.6	10.5	-31.9	-963.6	-773.6	-643.3
110	ok	0.10	0.1	1.15e-02	7.7	7.7	7.7	7.7	-0.7	56.5	12.1	-620.6	-627.5	204.3
115	ok	0.10	0.2	8.56e-03	7.7	7.7	7.7	7.7	-35.0	-18.5	-4.9	167.9	1210.6	-106.5
116	ok	0.10	0.2	1.14e-02	7.7	7.7	7.7	7.7	-2.0	32.8	-8.5	-1110.8	-1447.6	-230.1
121	ok	0.10	0.2	7.18e-03	7.7	7.7	7.7	7.7	-22.5	-11.4	13.5	129.6	1003.6	286.9
122	ok	0.10	0.3	2.00e-03	7.7	7.7	7.7	7.7	89.0	153.7	-57.5	-1124.1	-1304.9	-123.1

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-58.84	-48.71	-57.49	-1428.89	-1447.58	-643.28
	0.10	0.26	0.02	7.70	7.70	7.70	7.70	88.99	153.73	22.75	1493.32	1210.63	553.95

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
19	ok	2.59						
35	ok	1.25						
36	ok	1.88						
38	ok	3.32						
43	ok	1.84						
44	ok	1.81						
49	ok	1.81						
50	ok	1.21						
55	ok	1.40						
61	ok	1.90						
67	ok	3.90						
91	ok	3.92						
97	ok	1.89						
98	ok	3.59						
103	ok	1.48						
104	ok	3.26						
110	ok	1.19						
115	ok	1.69						
116	ok	2.56						
121	ok	1.77						
122	ok	1.95						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	3.92						



STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio. In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare[*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare[*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti[*normalizzato a 1*]
wR	apertura caratteristica delle fessure in combinazioni rare [*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti[*mm*]

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

wP	apertura caratteristica delle fessure in combinazioni quasi permanenti	[*mm*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato. In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
17	0.06	0.08	0.04	74,75,80	0.0	0.0	0.0	0,0,0
18	0.02	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
19	0.02	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
20	0.02	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
21	0.04	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
23	0.08	0.16	0.05	74,74,80	0.0	0.0	0.0	0,0,0
24	0.02	0.05	0.02	74,74,80	0.0	0.0	0.0	0,0,0
25	0.01	0.05	0.01	75,74,80	0.0	0.0	0.0	0,0,0
26	0.02	0.04	0.01	74,74,80	0.0	0.0	0.0	0,0,0
27	0.06	0.10	0.03	74,74,80	0.0	0.0	0.0	0,0,0
29	0.07	0.12	0.05	74,75,80	0.0	0.0	0.0	0,0,0
30	0.02	0.05	0.02	74,74,80	0.0	0.0	0.0	0,0,0
31	0.01	0.05	0.01	75,74,80	0.0	0.0	0.0	0,0,0
32	0.02	0.04	0.01	74,74,80	0.0	0.0	0.0	0,0,0
33	0.06	0.09	0.03	74,74,80	0.0	0.0	0.0	0,0,0
35	0.04	0.07	0.03	75,74,80	0.0	0.0	0.0	0,0,0
36	0.02	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
37	0.02	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
38	0.01	0.05	0.02	74,74,80	0.0	0.0	0.0	0,0,0
39	0.03	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
41	0.04	0.07	0.05	74,74,80	0.0	0.0	0.0	0,0,0
42	0.02	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
43	0.02	0.05	0.02	74,74,80	0.0	0.0	0.0	0,0,0
44	0.02	0.05	0.02	74,74,80	0.0	0.0	0.0	0,0,0
45	0.04	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
47	0.06	0.12	0.06	74,74,80	0.0	0.0	0.0	0,0,0
48	0.03	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
49	0.01	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
50	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
51	0.06	0.11	0.04	74,74,80	0.0	0.0	0.0	0,0,0
53	0.06	0.10	0.05	74,74,80	0.0	0.0	0.0	0,0,0
54	0.03	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
55	0.01	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
56	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
57	0.04	0.09	0.03	74,76,80	0.0	0.0	0.0	0,0,0
58	0.04	0.25	0.03	74,76,80	0.0	0.0	0.0	0,0,0
59	0.04	0.07	0.04	74,74,80	0.0	0.0	0.0	0,0,0
60	0.02	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
61	0.02	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
62	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
63	0.02	0.06	9.52e-03	74,76,80	0.0	0.0	0.0	0,0,0
64	0.02	0.20	7.23e-03	76,76,80	0.0	0.0	0.0	0,0,0
65	0.04	0.07	0.03	74,74,80	0.0	0.0	0.0	0,0,0
66	0.02	0.08	0.02	74,74,80	0.0	0.0	0.0	0,0,0
67	0.02	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
68	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
69	0.02	0.07	9.49e-03	74,76,80	0.0	0.0	0.0	0,0,0
70	0.02	0.20	7.13e-03	76,76,80	0.0	0.0	0.0	0,0,0
71	0.06	0.11	0.05	74,74,80	0.0	0.0	0.0	0,0,0
72	0.02	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
73	0.01	0.06	9.33e-03	74,74,80	0.0	0.0	0.0	0,0,0
74	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
75	0.04	0.08	0.03	74,76,80	0.0	0.0	0.0	0,0,0
76	0.04	0.25	0.03	74,76,80	0.0	0.0	0.0	0,0,0
77	0.06	0.13	0.05	74,74,80	0.0	0.0	0.0	0,0,0
78	0.02	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
79	0.01	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

80	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
81	0.06	0.11	0.04	74,74,80	0.0	0.0	0.0	0,0,0
83	0.05	0.07	0.04	74,74,80	0.0	0.0	0.0	0,0,0
84	0.02	0.09	0.02	74,74,80	0.0	0.0	0.0	0,0,0
85	0.02	0.09	0.02	74,74,80	0.0	0.0	0.0	0,0,0
86	0.02	0.08	0.02	74,74,80	0.0	0.0	0.0	0,0,0
87	0.04	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
89	0.03	0.08	0.03	74,74,80	0.0	0.0	0.0	0,0,0
90	0.03	0.09	0.02	74,74,80	0.0	0.0	0.0	0,0,0
91	0.03	0.09	0.02	74,74,80	0.0	0.0	0.0	0,0,0
92	0.02	0.08	0.02	74,74,80	0.0	0.0	0.0	0,0,0
93	0.03	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
95	0.05	0.10	0.04	74,74,80	0.0	0.0	0.0	0,0,0
96	0.02	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
97	0.02	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
98	0.02	0.06	0.01	74,74,80	0.0	0.0	0.0	0,0,0
99	0.04	0.08	0.03	74,74,80	0.0	0.0	0.0	0,0,0
101	0.06	0.14	0.05	74,74,80	0.0	0.0	0.0	0,0,0
102	0.03	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
103	0.02	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
104	0.02	0.07	0.01	74,74,80	0.0	0.0	0.0	0,0,0
105	0.05	0.09	0.03	74,74,80	0.0	0.0	0.0	0,0,0
107	0.04	0.10	0.04	74,74,80	0.0	0.0	0.0	0,0,0
108	0.02	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
109	0.02	0.06	0.02	74,74,80	0.0	0.0	0.0	0,0,0
110	0.02	0.05	0.02	74,74,80	0.0	0.0	0.0	0,0,0
111	0.03	0.07	0.02	74,74,80	0.0	0.0	0.0	0,0,0
117	0.05	0.20	0.03	76,74,80	0.0	0.0	0.0	0,0,0
118	0.04	0.26	0.02	74,76,80	0.0	0.0	0.0	0,0,0
119	0.04	0.25	0.02	74,76,80	0.0	0.0	0.0	0,0,0
120	0.05	0.22	0.03	76,74,80	0.0	0.0	0.0	0,0,0

Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.08	0.26	0.06		0.0	0.0	0.0	

Guscio	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**
					mm	mm	mm	
1	0.09	0.23	0.08	74,74,80	0.0	0.0	0.0	0,0,0
2	0.07	0.20	0.06	74,74,80	0.0	0.0	0.0	0,0,0
3	0.07	0.18	0.07	74,74,80	0.0	0.0	0.0	0,0,0
4	0.07	0.18	0.06	74,74,80	0.0	0.0	0.0	0,0,0
5	0.07	0.16	0.06	74,74,80	0.0	0.0	0.0	0,0,0
6	0.08	0.20	0.07	74,74,80	0.0	0.0	0.0	0,0,0
7	0.06	0.14	0.05	74,74,80	0.0	0.0	0.0	0,0,0
8	0.06	0.16	0.05	74,74,80	0.0	0.0	0.0	0,0,0
9	0.06	0.15	0.05	74,74,80	0.0	0.0	0.0	0,0,0
10	0.07	0.19	0.06	74,74,80	0.0	0.0	0.0	0,0,0
11	0.06	0.14	0.05	74,74,80	0.0	0.0	0.0	0,0,0
12	0.06	0.15	0.05	74,74,80	0.0	0.0	0.0	0,0,0
13	0.06	0.14	0.05	74,74,80	0.0	0.0	0.0	0,0,0
14	0.06	0.15	0.05	74,74,80	0.0	0.0	0.0	0,0,0
15	0.06	0.16	0.05	74,74,80	0.0	0.0	0.0	0,0,0
16	0.08	0.19	0.06	74,74,80	0.0	0.0	0.0	0,0,0
22	0.05	0.31	0.03	74,74,80	0.0	0.0	0.0	0,0,0
28	0.05	0.16	0.03	74,74,80	0.0	0.0	0.0	0,0,0
82	0.06	0.18	0.04	74,74,80	0.0	0.0	0.0	0,0,0
88	0.06	0.13	0.04	74,74,80	0.0	0.0	0.0	0,0,0
94	0.05	0.32	0.03	74,74,80	0.0	0.0	0.0	0,0,0
100	0.05	0.16	0.03	74,74,80	0.0	0.0	0.0	0,0,0
106	0.06	0.19	0.04	74,74,80	0.0	0.0	0.0	0,0,0
112	0.06	0.14	0.04	74,74,80	0.0	0.0	0.0	0,0,0
113	0.07	0.17	0.04	74,74,80	0.0	0.0	0.0	0,0,0
114	0.06	0.19	0.03	74,74,80	0.0	0.0	0.0	0,0,0
115	0.06	0.17	0.03	74,74,80	0.0	0.0	0.0	0,0,0
116	0.06	0.25	0.03	74,74,80	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.09	0.32	0.08		0.0	0.0	0.0	

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R

(Ing. Massimo Galli)

cell. 335-675.43.44 – email ing.massimogalli@gmail.com - PEC massimo.galli@ingpec.eu
p. I.V.A. 02600010108 – c.f. GLLMSM58C30D969R