



Towers and Measurement Systems



Manufacture, Supply & Installation of Meteo Towers

Worldwide Measurement Campaigns

Sensors and Measurement System

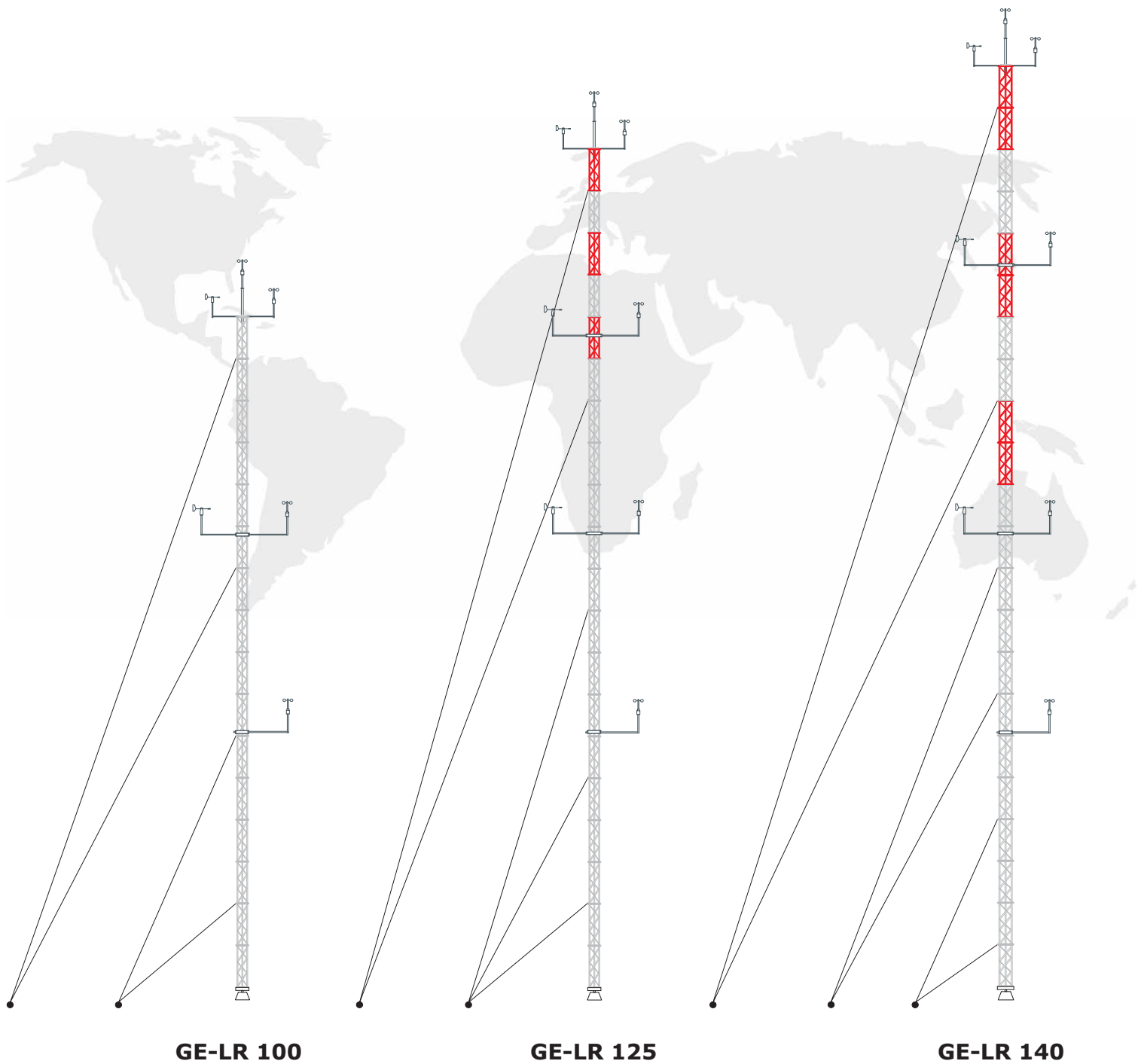
Mounting & Commissioning

Turnkey!

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GE-LR 100

GE-LR 125

GE-LR 140

		GE-LR 80	GE-LR 100	GE-LR 120	GE-LR 125	GE-LR 140
Height with top boom	m	80.0	100.5	121.0	126.8	141.5
Wind zone (DIN)	m/s	IV II	IV I	III I	III I	III I
Ice zone (DIN)	m/s	2 4	1 4	1 4	1 4	1 4
Concrete foundation	--	6 +1	6 +1	6 +1	6 +1	9 +1
Installation team	pers.	4-5	4-5	4-5	4-5	5-6
Duration of installation	days	5-7	5-7	7-9	7-9	8-11
Weight per element max.	kg	128	128	128-145	128-145	136
Total weight (w.o. found.)	kg	4,250	5,250	< 7,200	< 7,500	8,500
Anchor force hor.	kN	~ 60*	~ 72*	~ 72*	~ 78*	~ 130*
Anchor force vert.	kN	~ 70*	~ 83*	~ 99*	~ 103*	~ 111*
Base Force	kN	~ 300*	~ 372*	~ 470*	~ 482*	~ 612*
Spec. Base Force	kN/m ²	200	200	250	250	250

* exact values can be taken from the static calculation

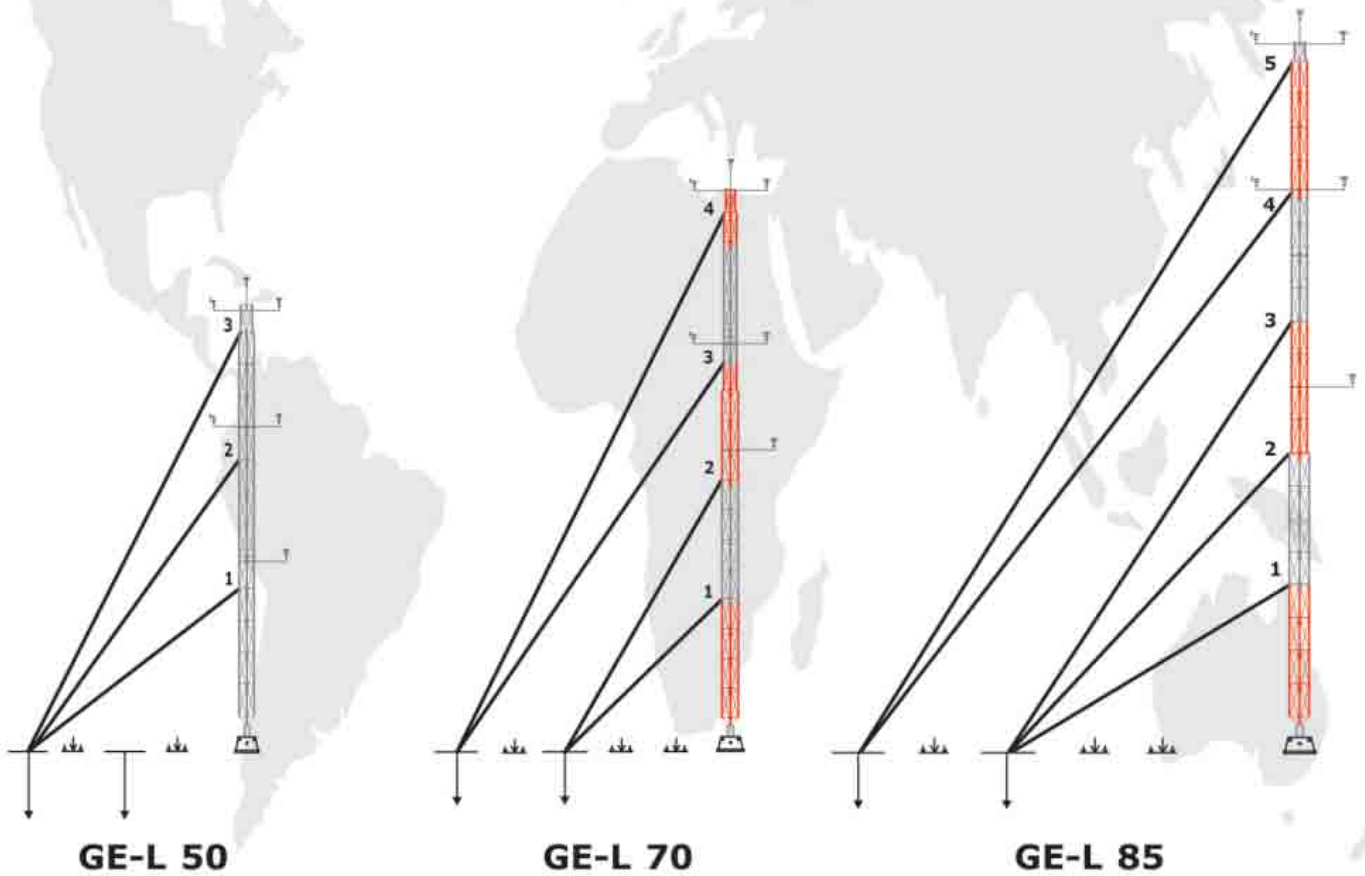


Lattice Towers and Measurement Systems



- Delivery and Installation of Meteo Towers worldwide
- Modular concept, same diameter up to a height of 65m
- Measurement Campaigns all over the world
- Sensors and Measurement System
- Individual delivery, Mounting, Commissioning: turnkey!

Delivery Program



	Unit	GE-L50	GE-L70	GE-L85
Main Tower				
height	m	48,0	68,0	84,0
v _{max}	m/s	~52*	~52*	~52*
v _{max, Ice (3cm)}	m/s	41	30	30
concrete foundation	—	no need	no need	usually not
mounting team	pers.	2-3	3-4	3-5
duration of mounting	days	1-1,5	2-2,5	2,5-3
weight per element max.	kg	32	35	35
total weight	kg	720	977	1208
anchor force x (v _{max})	kN	~14,0*	~12,3*	~17,6*
anchor force z (v _{max})	kN	~17,0*	~16,7*	~22,6*
base force (v _{max})	kN	~70,0*	~119,2*	~132,9*
spec. base force (v _{max})	kN/m ²	143	145	161
Gin Pole				
description		GP50+	GP70+	GP70+
weight	kg	135	410	465
height A	m	13,0	17,0	17,0
max. winchload A	kN	18,1	23,9	38,5
max. anchorload A (horiz.)	kN	13,1	17,3	27,9
max. anchorload A (vert.)	kN	12,5	16,5	26,5

* exact values can be taken from the static calculation