



TELECOMMUNICATION TOWERS



As a company active in design and manufacturing towers for Power Transmission, Telecommunication, Oil & Gas and Petrochemical industries with numerous successful references, we are now recognized as one of the leading companies in Power, Telecom and Oil industries. This was achieved by our expertise in Design, Manufacturing -using our state of the art machinery and a highly modernized galvanization plant-, and our successful experiences in on-time completion of many EPC projects.

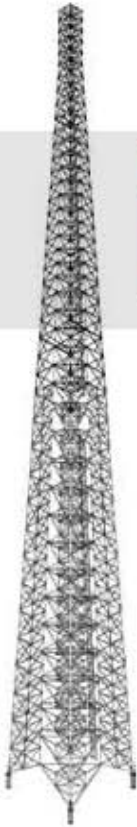
- Design services for steel structures and towers of Overhead Telecommunication Towers and Transmission Lines
- Line Design services for Overhead Power Transmission Lines
- Civil and Foundation Design
- Designing Telecommunication Steel Structures, such as:
 - o GSM and MW Mountings for various types of antennas
 - o Grounding Equipment
 - o Ladders
 - o Vertical & Horizontal Cable Trays
 - o Rest/Work Platforms
 - o Fencing and Protection Facilities of Sites
- Project Management for Engineering Scope of EPC OHL / Telecom projects

Our Design & Engineering team is a massive pillar for our goals. It enjoys from the knowledge and experience of highly skilled experts, scientific principals, internationally recognized standards and reliable software. With a vision to sustainable customer satisfaction, they have managed to apply a genuine sense of innovation to our designs. All this has led us to receive the highest technical evaluation scores from our clients.



TOWER

Green Field Towers Lattice Towers

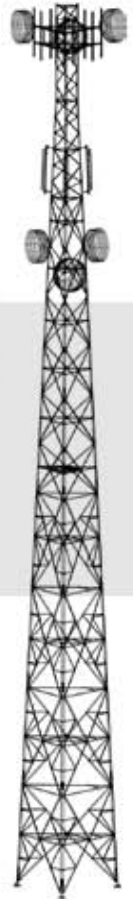


LTC 2.5

Tower Height(m)	Type	Wind speed-kmh	FPA-sqm	Footing (cm)
84	4 Legs - Angular	130	2.5	800

LQS13

Tower Height(m)	Type	Wind speed-kmh	FPA-sqm	Footing (cm)
54	3 Legs - Angular	130	13.5	617
48	3 Legs - Angular	130	13.5	557
42	3 Legs - Angular	130	13.5	497
36	3 Legs - Angular	130	13.5	437



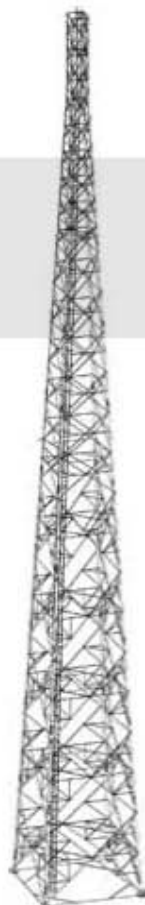
TOWER

LSC66

Tower Height(m)	Type	Wind speed-kmh	FPA-sqm	Footing (cm)
66	4 Legs - Angular	160	5.8	720

LTA30

Tower Height(m)	Type	Footing (cm)
30	3 Legs - Tubular	280



Green Field Towers

Narrow Base Lattice Towers



LCRM15

Tower Height(m)	Type	Wind speed-kmh	FBA-sqm	Footing (cm)
36	4 Legs - Angular	130	11.47	144
30	4 Legs - Angular	130	11.47	140
24	4 Legs - Angular	130	11.47	136

Green Field Towers

Monopole-Lattice Tower

HPL15

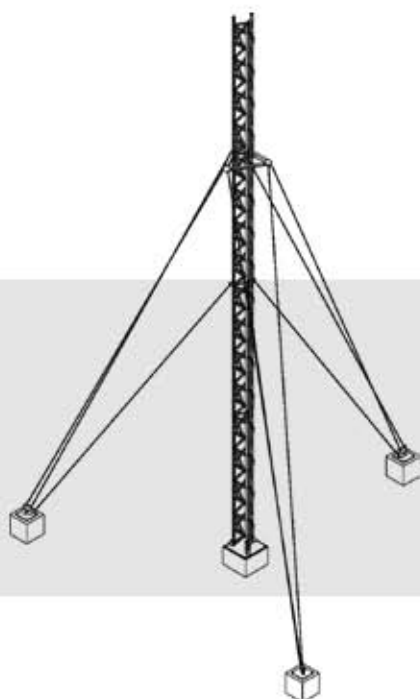
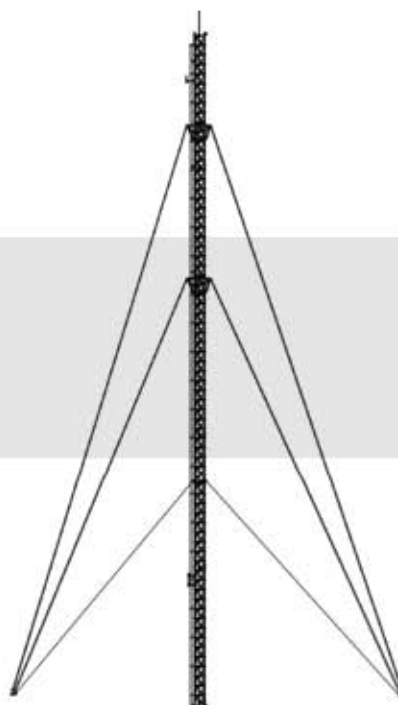
Tower Height(m)	Type	Footing (cm)
30	Monopole-Lattice Tower	134



Rooftop Towers Guyed Mast Towers

GG50

Tower Height(m)	Type	Footing (cm)
30	3 Legs - Angular	50



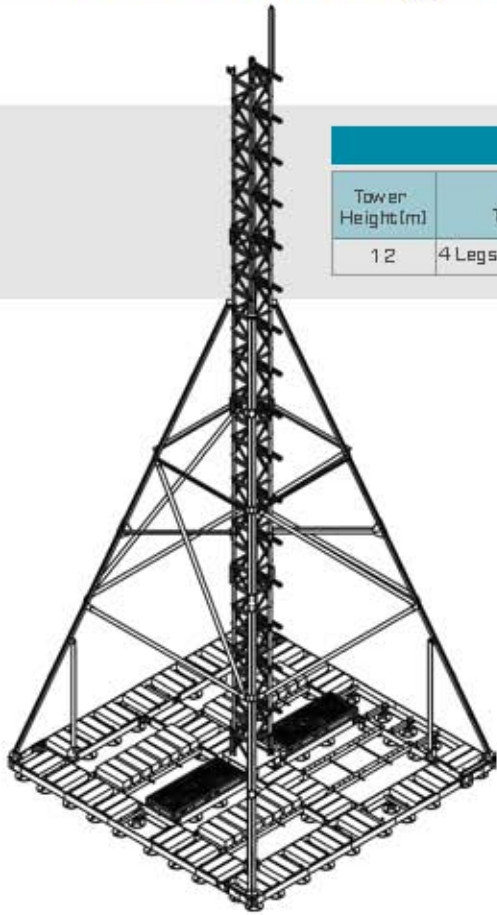
RTG

Tower Height(m)	Type	Footing (cm)
18	3 Legs - Angular	43
15	3 Legs - Angular	43
12	3 Legs - Angular	43



Rooftop Towers

Free Standing Towers



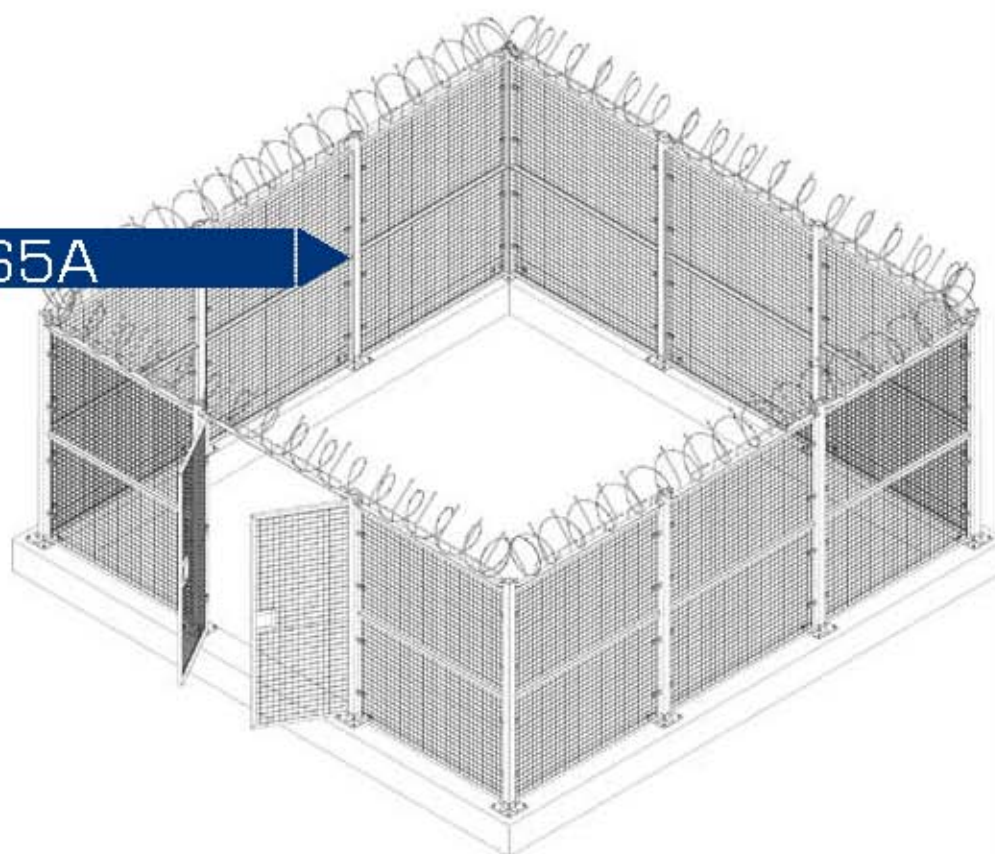
FRT12

Tower Height (m)	Type	Wind speed-kmh	FPA-sqm	Footing (cm)
12	4 Legs - Angular	110	4	40

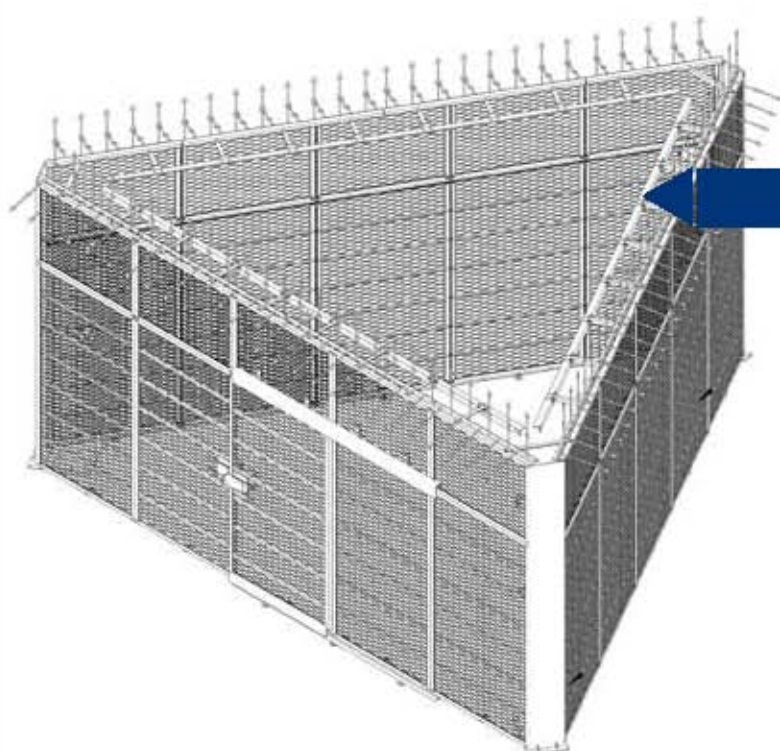


FENCES

Fence TBS5A



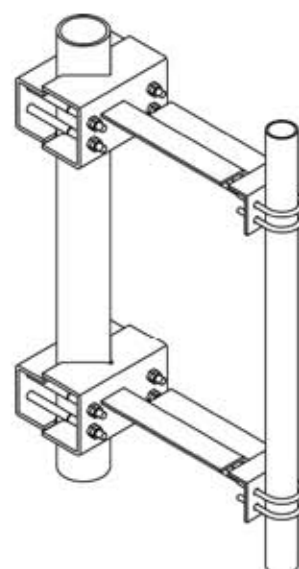
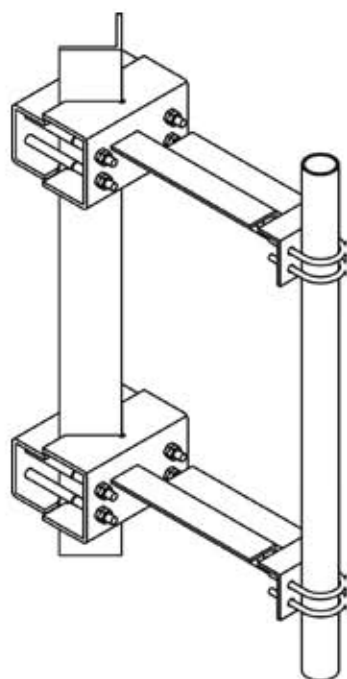
Fence WCS



ACCESSORIES

Mounting
Single

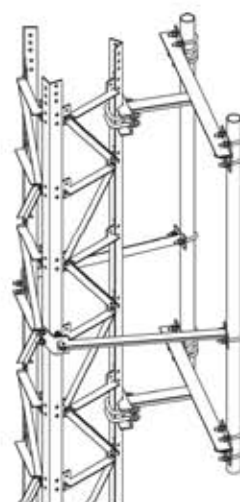
MUS60-T1



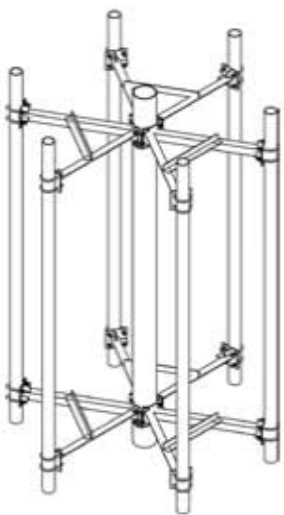
MUS60-T2

Mounting
Double

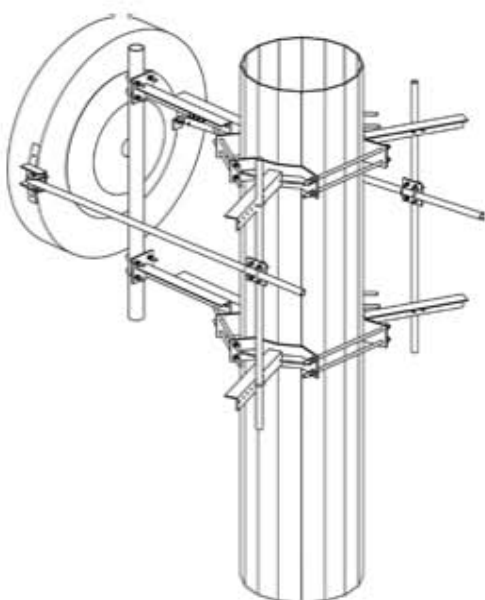
DM2



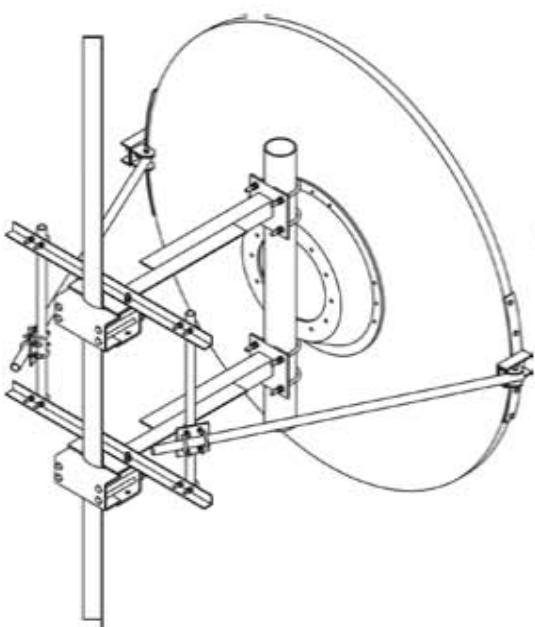
ACCESSORIES



PLD



PLS120

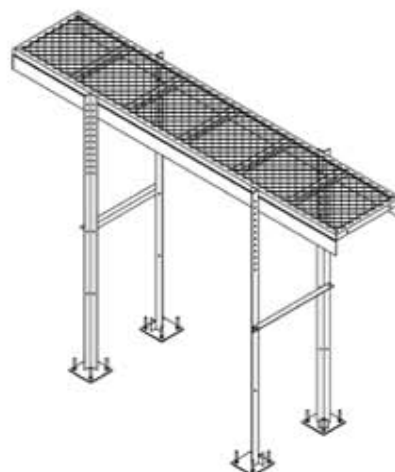


MWSU180

ACCESSORIES

Cable Tray

FED



RRU Stand

RRU Stand





ISO certificates



Certificates:

ISO 9001:2008 - Quality Management System
 ISO 14001:2004 - Environmental Management System
 OHSAS 18001:2007 - Occupational Health & Safety Management System
 Qualification for EPC Contracting by State Organization for Management & Planning (Grade 1: Excellent)
 Quality Compliance Certificate by Iranian Institute of Standards
 Technical & Engineering Services Licenses issued by Markazi Province Industries & Mines Organization
 Qualified as Reference Laboratory by Iranian Institute of Standards

Membership in:

Markazi Province Chamber of Commerce & Industries & Mines
 Iran Electrical Industry Syndicate
 Iranian Galvanization Industries Association
 Markazi Province Galvanization Association
 Markazi Province Industries & Mines House
 Iranian Society of Manufacturers & Contractors of Oil, Gas & Petrochemical Industries
 Member of International Consultants & Contractors Association of Iran
 Iran- Italy Chamber of Commerce
 Iran- Iraq Chamber of Commerce, Industries & Mines
 Iran- China Chamber of Commerce & Industries
 Quality Management Society of Iran
 Iranian Telecommunication Industries Syndicate

Awards:

The Best Entrepreneur Award – 2001
 Elected Green Industry – 2008
 The Best Industrial Unit Award – 2009
 The Best Industrial Unit Award – 2010
 The best Industrial Unit Award – 2013
 Elected Green Industry – 2011
 The Best Overseas EPC Contractor - 2014
 The Best EPC Contractor's Award - 2015



▶ www.gamarak.com

Tehran Office: No. 3, 2nd Alley, Pakistan St., Beheshti Ave.,
Tehran-IRAN P.O.Box :14145/138

Tel: (+98 21) 88517193 Fax: (+98 21) 88517192

Factory: Sanat St., 12 Km. of Tehran road, Arak - Iran
P.O.Box: 38135/986

Tel: (+98 86) 3413 13 23 Fax: (+98 86) 3413 13 43