

# Telecom - Guyed Towers



## TOWER SERIES

### Broadcast

*Guyed*  
*Self Support*  
*Hybrid*

### Telecom

*Guyed*  
*Self Support*  
*Monopole*  
*Tripole*

### Wind

*MET*  
*Turbine*

## SUPPORTING SERVICES

**Program Management**

**Site Planning & Design**

**Geotechnical Investigation**

**Tender Documents**

**Shop Drawings**

### General Information

Guyed towers are composed of a relatively slender mast supported by steel guy wires at the necessary levels. This composition makes the guyed towers versatile and capable of accommodation of a variety of applications. Turriss offers a variety of guyed towers in both all-welded and knock-down configurations. The towers are commonly three-sided equilateral triangular masts. However, four-sided masts are easily furnished. For Telecommunication applications with heights up to 600 feet (200 meters), Turriss versatile guyed masts can be used for a variety of applications.

### Optional Items

Turriss guyed masts are supplied complete with embedded anchoring steel, bolts, legs, web members, external or internal climbing ladder, and installation drawings. The following items can be supplied when specified by the customer to provide a complete structure:

- Grounding kit
- Painting & Aviation warning lighting systems
- Antenna mounts and supports
- Fall arresting devices and accessories
- Transmission line bridge
- Antenna ice-guards
- Lightning rod.
- Transmission line support and brackets
- Cable ladder to support transmission lines
- Rest, work, and antenna platforms
- Anti-climb systems

### Engineering

- Towers are designed in accordance with the Standard TIA/EIA-222 or CSA Standard S37, latest issue.
- Towers can be designed for compliance with other standards and specifications as required.
- Towers are designed for the specified wind and ice loading conditions applicable to the particular site conditions.
- Foundations are selected and designed to suit the conditions reported at the site.
- Towers are designed to applicable specifications using standard analysis software TSTower computer program.



Turris is expert in providing engineering, procurement and project management services for communications, broadcast and wind applications. As an established provider of total solutions, Turris works closely with its partner companies, subcontractors and suppliers to provide a seamless result.

Led by a seasoned team of skilled professionals and managers, Turris is an innovative company built on an engineering team with over 40 years of direct industry experience having designed and constructed some of the world's tallest structures and most challenging projects.

Turris members hold a broad spectrum of licenses and certificates and provides engineering services across North America and Internationally. Turris engineers are accredited and active members of ASCE, CSA, IASS, TIA Technical Committees or working groups on Antenna Towers and Wind Energy.

Serving both domestic and international customers, Turris has provided services and products in Canada, United States, Algeria, Bahamas, Cote D'Ivoire, Egypt, Indonesia, Malaysia, Nigeria and Saudi Arabia.

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## **Turris Services and Solutions**

- Project Management
  - Site by Site
  - Full Turnkey
- Tower Services
  - New builds & retrofits
  - Engineering design
  - Technical performance specifications
  - Site Inspections
  - Geotechnical Investigations
- Tower Products
  - Guyed
  - Self Supported
  - Monopole
  - Tri-Poles
  - Hybrid / Custom
- Broadcast Services
  - Engineering
  - Tower Supply
  - Material procurement
  - Project Management
  - Maintenance Inspections
- Telecom Services
  - Site Development
  - Engineering
  - Tower Supply
  - Project Management
  - Maintenance Inspections
- Wind Energy Services
  - Site Development
  - Engineering
  - Tower Supply
  - Project Management
  - Site Monitoring

To find out more about the expertise and resources that Turris can bring to your project or deployment, please contact us at:  
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