

# Telecom - Tri-pole Towers



## TOWER SERIES

### Broadcast

*Guyed*  
*Self Support*  
*Hybrid*

### Telecom

*Guyed*  
*Self Support*  
*Monopole*  
*Tri-pole*

### Wind

*MET*  
*Turbine*

## SUPPORTING SERVICES

**Program Management**

**Site Planning & Design**

**Geotechnical Investigation**

**Tender Documents**

**Shop Drawings**

### General Information

Tri-poles are free standing triangular structures. This composition provides an aesthetic solution and requires a small footprint. Turriss offers a variety of Tri-pole towers with open panels or latticed construction. Tri-poles can also be fitted with RF transparent panels to hide the antennas for aesthetics. For Telecommunication applications with heights up to 200 feet (60 meters), Turriss versatile tri-poles structures can be used for a variety of applications.

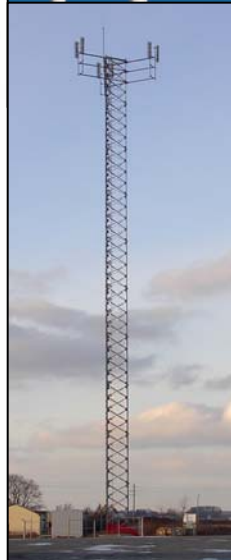
### Optional Items

Turriss tri-poles are supplied complete with embedded anchoring steel, bolts, external or internal climbing ladder or step bolts, 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
- RF panels
- 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
- 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.





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

Led by a seasoned team of skilled professionals and managers, Turriss 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.

Turriss members hold a broad spectrum of licenses and certificates and provides engineering services across North America and Internationally. Turriss 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, Turriss 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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## **Turriss 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 Turriss can bring to your project or deployment, please contact us at:  
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