Products Introduction

Sky Networks Engineering Co., Ltd.

April, 2013
Hangzhou, China

www.facebook.com/skyntwks
Products & Services

Design
Design of various tower/mast/pole and other steel structures.

Manufacture
Advanced, dedicated manufacturing process under strict control.

Procurement
Out-sourcing products strictly in conformity of industrial codes and specification requirements.

Logistics
Storage and transportation for both domestic and international market.

Turnkey solutions for Telecommunication infrastructures!
Lattice Tower

SKY NETWORKS’ lattice tower provides the perfect low cost and good quality tower solution for start-up stations - Angular legs or Tubular legs, 3 legged or square one, which features:

➢ Cost-effective design solutions in accordance with latest ANSI/TIA-222 code;
➢ Designed to meet the RF requirements of telecom operators and vendors, as well as co-location load requirements of several operators;
➢ Optimized for container loading shipment and easy to erect,
➢ Excellent support service including site supervision and supplementary components;

Production Diagram
Lattice Tower - Design

- Sky Networks engineers are qualified and experienced in structural design. Having developed over 100 designs and complying to various industry standards and requirements.
- Towers are designed using latest software based programs which takes into account various parameters, such as:
  - Wind load conditions
  - Antenna loading height & dimensions
  - Feeder cable load conditions
  - Ice load conditions
  - Topography factor
  - Dynamic effect of wind
  - Factor of safety
  - Codes / Standards requirements, and etc.
- Design software utilized:
  - Risa Tower & Risa3D
  - PLS tower
  - X-Steel
- Design standards mostly utilize EIA/TIA-222-G (Telecommunications industry association) for International approval
Lattice Tower - Detailing

- Generation Structure drawing for workshop drawing generation and site installation purpose.
- Generation of Bill Of Material (BOM)
- Workshop drawing for manufacturing based on Structure drawing & BOM.
- Software utilizing AutoCAD Ver 2004 or above
- Production Capacity – 2,000 MT/monthly
- Galvanization Capacity – 8,000 MT/monthly
Lattice Tower - Prototype Assembly and Inspection

- Dedicated independent prototype assembly units
- Prototype inspection done by internal QA Team. Third party or by Customers are also applicable for the final approval and for Mass production
Lattice Tower - Fabrication

1. Fabrication Capacity – 2,000 MT/month
2. Galvanization Capacity – 8,000 MT/month
3. Machines & Equipments for Lattice Towers
   - CNC cutting
   - CNC Angle punching and stamping
   - CNC Plate punching and stamping
   - Angle cropping with Stamping
   - Hydraulic press machines for angle cutting, hole and number punching machines
   - Notch cutting machines
   - Angle bending machines
   - Radial drilling machines
   - Welding machines
   ...... Etc.
Lattice Tower – Hot-dip Galvanization

- 12.8m x 1.6m x 2m
  Galv. Pool

- 8m x 1.2m x 1.6m
  Galv. Pool

- 3.5m x 1.1m x 1.5m
  Galv. Pool
Thank You!

Please visit our website for more products & solutions!

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