

SECURING A CONNECTION ANYWHERE



RAPID DEPLOYMENT SOLUTIONS
**RAPID DEPLOYMENT TOWER
(RDT)**



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AL-BABTAIN LeBLANC

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RAPID DEPLOYMENT TOWER (RDT)

Rapid Deployment Tower (RDT) is a compact Greenfield site tower solution not only for single, but also for multi-operator. It has an aesthetically good-looking structure, knockdown, easily deployable and redeployable.

Rapid Deployment Tower (RDT) is a self-support square tower built on a pre-cast foundation; the tower consists of angular bolted-connection members. This product is developed to assist customers to maintain the aesthetic look of the structure blending with the surroundings and, at the same time, to quick site deployment and easy redeployable. The structure is configured for easy installation and allowing re-deployment at a short period of time. RDT is designed for a minimum site plot area.

Application

- For microwave solid and grid antenna application up to 1.2m (4') diameters, depending on heights and environment loading conditions.
- For GSM cellular radio.
- For supporting UHF, VHF, Yagi and reflector type antennas.
- Various another antenna types and sizes, and loading conditions can be accommodated utilizing suitable section of the tower. Check with ABL Engineering Department for applications.



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Construction Features

Features:

- The legs are 90° angle members.
- The bracing members are bolted 90° angles. A ladder is mounted inside of the tower for climbing.
- Antenna mounts can be fitted to either the leg or face of the tower.
- All structure members conform to ASTM A 572 GR 50 ISO EN 2005 and JIS S 3101 or equivalent standards.
- All welding conform to the requirements of the AWS D 1.1/ D 1.1 M: 2008 AS/ NZS 1554.1:2004 and standards.
- The structure is designed according to the latest American, Eurocode, Canadian, Australian or other applicable international standards for wind and ice loads specified for the particular site.
- All materials are hot- dipped galvanized after fabrication to ISO 1461, AS/ NZS 4680 or ASTM 123 standards.
- All structural bolts conform to ASTM standard A325 and galvanized to ASTM standard A 153.
- Finishing: hot dipped galvanized and painted.
- Equipped with a Fall Arrest System.
- The security fence comprises of standard panel sizes, which are made of hot-dipped galvanized pipe and chain-link fence, and the top is secured with barbed wire.
- The site is assembled easily and rapidly, and will be on-air within 2 to 3 days.
- The foundation for the monopole is pre-cast or cast in site reinforced concrete, which is constructed on a ground level without any excavation.
- Steps are provided to ascent to the top of the foundation.

Optional Items:

The RDT are supplied completely with legs, web members, base plates, ladder, rest platform and ground platform.

The following items are supplied as specified:

- Tower Grounding and Lightning.
- Aviation Warning Lighting System.
- Tower painting.
- A fixed platform can be supplied at the top to facilitate access to a top mounted antenna.
- A cable gantry to support transmission lines.
- Antenna mounts to suit specified antennas.
- Antenna and transmission lines are as specified by the customer.
- Fall Arrest System device and accessories.
- Site grounding system.
- Optional equipment as requested by the client.
- Supply & installation of cable tray 200mm-400mm (if required).
- Mains power to GF site (if required).
- Supply and installation of GF cable tray support pole (if required).
- Construction of a 4m wide access road (if required).
- Provide and lay 100mm gravel over 300mm thick compacted road base layer (98% MDD).
- Supply and installation of fully equipped shelter with dimensions (3.2 x 2.0 x 2.9) including the foundation.
- Supply and installation of generator and fuel tank or alternatively commercial power to site.



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