

EQUILIBRIUM COMMUNICATIONS ARTICULATING TOWER

eCAT

The Challenge

The life cycle costs associated with maintaining, or upgrading any tower mounted implement can very easily compound beyond expectations. Costly boom-truck operations and high-risk climbing maneuvers can rapidly escalate, exposing a company to unnecessary hazards and expenses. There is a great need for efficient and affordable service - especially on critical elements of tower-based infrastructure. Whether it be essential communications devices or vital surveillance equipment, a short duration of repair is imperative.

Many towers are located in areas that experience harsh weather elements. Over time, this can damage or destroy a tower that has not been built to withstand the forces of nature.

The Solution

Whether dealing with remote communications and research or cutting edge surveillance technology, e-CAT towers will rise to the occasion. These towers are ideal for those looking to reduce the cost of maintenance and mitigate risk. Pillar's innovative articulation method enables a worker to lower the tower to ground level for maintenance and repairs utilizing only an 18v battery operated drill. "True Positive Stop" technology utilizes a non-hydraulic jackscrew during articulation allowing towers to be safely raised and lowered without reliance on gravity and without regard to wind conditions.

The Pillar "Full Penetration Connection" ensures long term reliability, and offers an industry leading "tower-to-base" connection method. During a standardized fatigue test the "Full Penetration Connection" lasted more than twice as long as the closest competition. The e-CAT towers are also capable of handling wind loads of up to 90mph making them task ready for even the toughest of environments.



Operator Safety

- Eliminates the need for climbing maneuvers and boom-truck operations
- “True Positive Stop” (TPS) technology protects the workers while articulating

Ease of Use

- Fully articulates utilizing an 18v battery-operated drill
- Operated by one worker
- Rapid installation; can mount to a Dixie precast foundation
- Pre-wired from the factory
- Single coaxial run does not require disconnection for articulation

Durability

- Hot dipped galvanization on both the tower and associated hardware
- “Full Penetration Connection” tower-to-base connection method
- Round tube design for better force dispersion
- Capable of handling wind loads of up to 90mph

Options

- Locking tamper resistant cover
- Hand-crank for tower articulation
- Custom made enclosures
- Varmint guard
- Antenna mount
- Variable height antenna mount
- Removable remote controlled articulation
- Full installation



Model	Height	Wind Rating	Antenna EPA
eCAT 20	20'	90 mph	3 sq.ft.
eCAT 40	40'	90 mph	3 sq. ft.
eCAT 60	60'	90 mph	3 sq. ft.