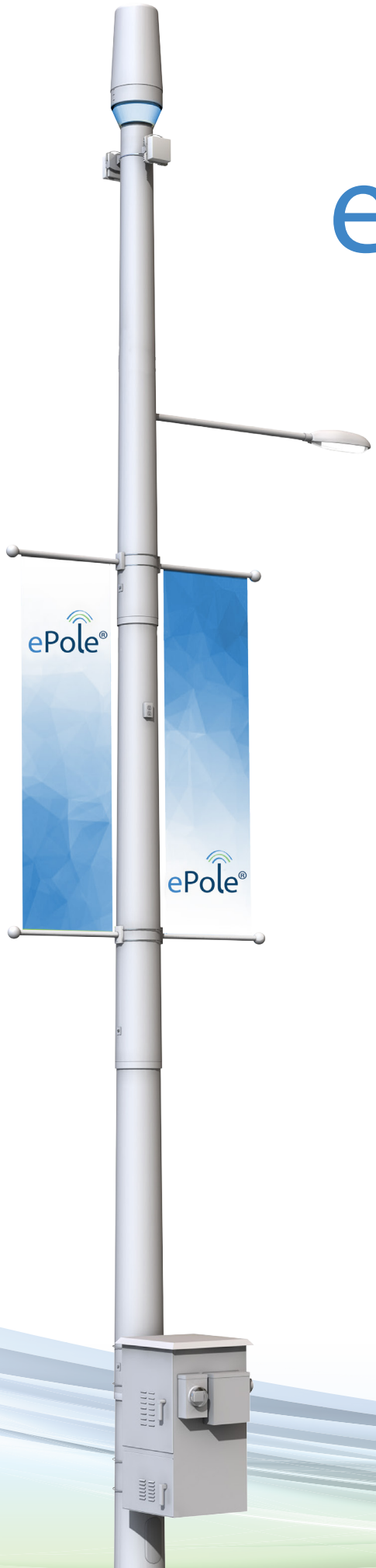
enersphere™

ePole®

The Future of Small Cell Infrastructure



Electric Utility Applications

About Enersphere

Enersphere Communications ("Enersphere") was founded in 2011 and is located in Atlanta, GA. Enersphere develops, sells and finances mobile communications and electric utility infrastructure, including an integrated outdoor cell site utilizing modular composite pole technology. Our solution, the ePole, efficiently and economically expands mobile capacity and coverage, strengthens electric distribution networks and enables public safety applications to create a safer, more eco-friendly world.

What is an ePole®?

The ePole is a multi-purpose, safe and aesthetically pleasing cell site that provides a seamless option for wireless service providers to transition economically from towers to small cell infrastructure. With patents pending, the ePole includes an integrated pole-top antenna with LED luminary, pole-mounted radio and battery enclosure, antenna cables, power and grounding systems, plus a modular, composite pole. In addition, the optional WiFi capability prepares service providers with data offloading capacity in highly congested areas of the network to ensure the quality of data service. ePoles are available in 35' (10.6m), 45' (13.8m), 50' (15.2m) and 70' (21.3m) total lengths. Mobile radios, batteries and other equipment selected by the service provider can be pre-installed and tested in the enclosure before shipment to the installation site. The antenna cables, power and ground wires that traverse from the antenna to the radios, and equipment located in the pole-mounted cabinet are safely concealed inside the composite pole to improve safety and preserve the aesthetic value in the community.

How do you benefit from an ePole®?

The ePole offers utilities a superior structure when compared to wood, steel and concrete poles. It is lighter and stronger than wood as well as non-conductive, fire retardant and environmentally friendly. In addition to reducing operational costs, the ePole utilizes an innovative and standardized design to expedite permitting while still supporting existing power lines and attachments. Utilities financially benefit by retaining ownership of the composite pole along with generating recurring lease and electric service revenues.

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The ePole®

Multi-purpose mobile communications infrastructure providing solutions for multiple parties:

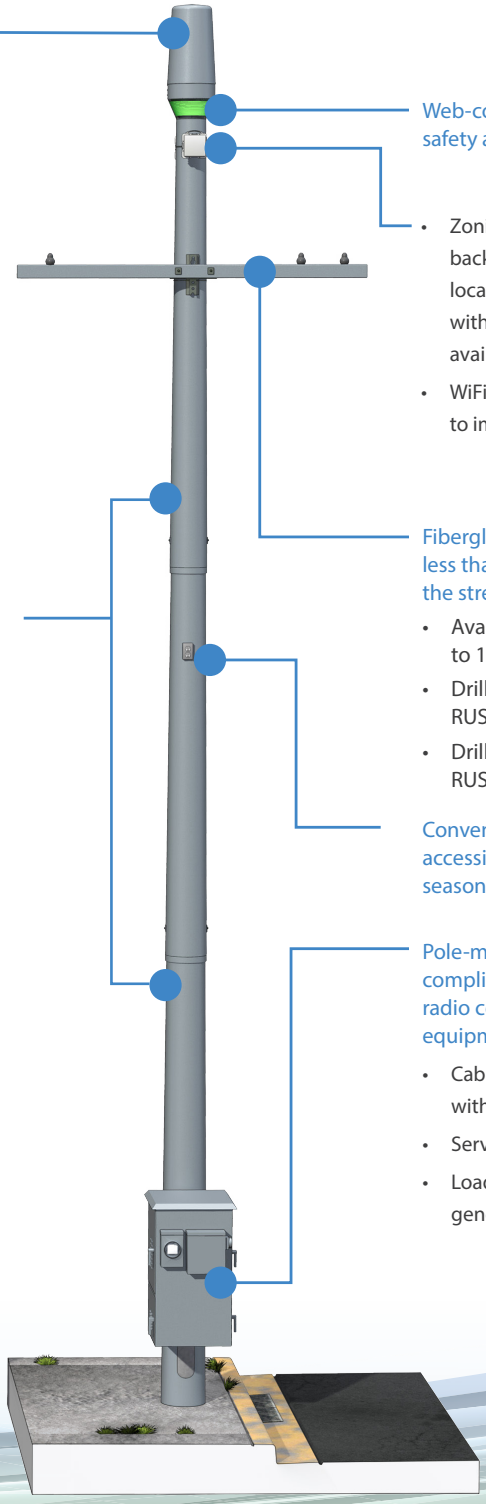
- Mobile network operators
- Electric utilities
- Municipalities
- Resorts and hotels
- Commercial real estate

Integrated antenna assembly with multi-band, tri-sector or omni antenna. Assembly contains controllable LED luminary with full spectrum of changing colors and intensity, ideal for public safety or municipal applications.

- Antenna frequencies from 698 to 2700 MHz
- Meets EIA/TIA-222-Rev G
- Available in multiple colors
  - Standard – gray or brown

Lightweight and modular design for easy transport, assembly and installation; non-conductive, fire-retardant pole has a smooth finish for community-friendly aesthetics.

- Available in 45′ (13.7m), 50′ (15.2m) and 70′ (21.3m)
- Available in multiple colors
  - Standard – gray or brown
- Meets EIA/TIA-222-Rev G for wind loading
  - 150-mph (241 kph), 3-second gust
  - 60-mph (97 kph), 3-second gust with .75″ (1.9 cm) ice
- Meets ANSI standards for utility poles
- 20-year warranty (structure, workmanship and color)



Web-controlled LED lighting for public safety and municipal events

- Zoning-friendly microwave for backhaul provides the ability to locate a site where it is needed without being dependent on fiber availability
- WiFi and video surveillance to improve operations

Fiberglass cross arms weigh significantly less than wood beams with up to six times the strength.

- Available in lengths from 5′ (1.5m) to 12′ (3.6m)
- Drilling pattern 8′ (2.4m) arms RUS 03, 04
- Drilling pattern 10′ (3.1m) arms RUS 05

Convenience power outlet provides accessible power for operations and seasonal decorative attachments.

Pole-mounted enclosure is NESC compliant and designed to host multiple radio configurations from the leading equipment providers.

- Cabinet location on pole is compliant with 2012 edition of NESC standards
- Service entry meter box
- Load center with distribution and generator plug

For more information, please contact:
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