

# Case Study

## Crown Castle and L-com Enable Seamless Wireless Communications for Disney Theme Parks



### Customer Profile

Customer: Crown Castle  
Location: Celebration, FL  
Industry: Wireless Infrastructure  
Owner/Operator

### Challenge

- Develop a weatherproof equipment enclosure with PoE interfaces and cooling fan
- Provide a UL listed solution

### Solution

- Customized UL Listed outdoor equipment enclosure

### Results

- Seamless wireless access at Disney theme parks for employees and customers

### Challenge

Founded in 1994, Crown Castle is one of the country's largest independent owners and operators of shared wireless infrastructure. Crown Castle owns, operates, builds and leases towers, rooftops and Distributed Antenna Systems (DAS) in prime markets for wireless communications. With a nationwide presence, they have the local resources to provide comprehensive site deployment services — including site acquisition, engineering, zoning and permitting, and construction — all designed to provide flexible solutions for customers. As the owners and operators of the infrastructure, their focus is on safety, reliability and regulatory compliance through regular inspections, utilizing state-of-the-art processes and tools, and a 24/7 Network Operations Center (NOC).

Crown Castle owns a portfolio of more than 22,000 towers in the United States as well as 1,600 sites in Australia and has become the leader in the shared wireless infrastructure industry due to its emphasis on technical and strategic innovations.

As part of a wireless networking project for Disney theme parks, Crown Castle needed a UL listed weatherproof equipment enclosure to house various access points and other communications devices. In addition to the UL listing, the enclosure needed to support Power over Ethernet (PoE) and have a cooling fan to protect the equipment from extreme heat.

### Solution

L-com was able to provide Crown Castle with a custom built UL listed weatherproof equipment enclosure that met all the requirements. The enclosure features multiple PoE interfaces as well as the ability to mount two wireless CPE devices. The enclosure features rugged fiberglass construction and can be locked for security.

### Results

Crown Castle was able to offer seamless WiFi access for customers and employees of Disney parks with its comprehensive wireless network systems and services.

