



# Pinnacle Wireless Case Study

*Pinnacle Wireless addresses the crucial need for advanced communications solutions in the deployment of one of the world's largest indoor radio communication systems.*

## Business Challenge

In late 2002, plans were announced for the first major rebuild of one of New York City's most iconic landmarks. Following years of planning, designing and construction, the complex, which includes five unrivaled skyscrapers, a museum, transportation hub, retail space and more – all connected by advanced life-safety and communications systems – is expected to be complete in 2015.

On a grand scale, the vision calls for modern, safe and sustainable commercial space, convenient transportation and a destination cultural center. This multi-site project required the design, procurement and implementation of a world-class, first-responder communications infrastructure to provide safe, effective and reliable public safety and property management radio services throughout the complex as well as cellular and WiFi service within the buildings and grounds

## Solution

Pinnacle Wireless was selected as a Systems Integration solutions partner for multiple radio projects on the campus, addressing the crucial need for advanced communications solutions in the deployment of one of the world's largest indoor radio communication systems.

We were to design, procure, test and deploy an unrivaled communication system for this iconic landmark. Our unique combination of experience in the design of land mobile radio systems, indoor Distributed Antenna Systems (DAS) and cellular and WiFi radio systems, in addition to our vendor-agnostic approach, earned us the honor of being a part of the construction of the radio system, which provides redundant sources for emergency services throughout the entire complex.

As subcontractor, Pinnacle Wireless' does what we do best – systems engineering, project management, integration and testing of the Public Safety Life Safety (PSLS) and Private Mobile Radio Service (PMRS) systems. By equipping the complex with WiFi, Pinnacle Wireless helps to provide uninterrupted internet service throughout and a neutral-host cellular DAS to enable complete cellular coverage.

## Results/Benefits:

Our team of over 30 employees – from engineers to technicians – delivered an expertly designed solution to facilitate the advanced communication needs of this significant site. A unique aspect of this complex is what lies beneath – one of the world's largest communication systems, proudly deployed by Pinnacle Wireless.

## About Pinnacle Wireless

Pinnacle Wireless USA, Inc., a UniTek Global Services Company, is a nationwide end-to-end communications solutions provider, offering innovative solutions for large-scale, complex communication projects in transportation, public safety, energy, carrier and enterprise markets. With a team of uniquely skilled engineers and technicians working with industry-leading technology providers, we deliver expertly designed solutions from conception and installation to maintenance and service with one goal in mind: the success of our customers. We are the foremost authority in full systems integration with combined expertise in landline, wireless and public safety networks, serving both the private and public sectors.

### Our diversified portfolio of services includes:

- Air Blown Fiber
- Land Mobile Radio
- Broadband Networks
- Site Acquisition & Zoning
- Distributed Antenna Systems
- Professional Engineering Services
- Managed Services & Maintenance