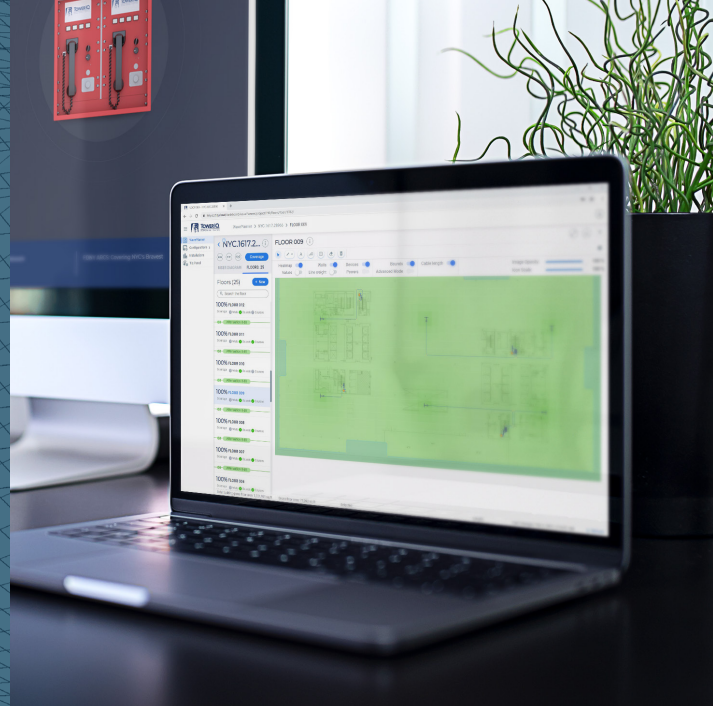# TOWER IQ™

SIGNAL WHERE IT MATTERS

TowerIQ

Emergency Responder Radio
Communication Systems

WAVEPLANNER
DESIGN

WavePlanner is a simple, affordable, and powerful Auxiliary Radio Communications System engineering tool. Giving Architects, Engineers, and ESD's the ability to easily create accurate propagation models while avoiding expensive software, maintenance contracts, and powerful computers. WavePlanner is the first engineering tool made from the ground up for life-safety, simplifying the process while providing accurate results.

TOWERLINQ
DEPLOY

TowerlinQ is a revolutionary platform for Radio Communication Enhancement Systems and combines Fire-Alarm with Two-Way Radio best practices. Each antenna is fully addressable, replacing coaxial and fiber optic cables with a familiar and rugged fire-alarm signaling line circuit.

The TowerlinQ system consists of a set of active nodes each of which itself is a transceiver. The controlling node (the hub) and regular nodes, up to 40 of them, communicate to each other via a serial bus type signaling line of the total length up to 1000 m (can be extended with TQR repeater). In addition to the Hub and the Nodes, the system includes a DRC (Dedicated Radio Console) unit and is integrated with a supporting TIQ.Cloud application.

TowerlinQ dramatically reduces the total cost of system construction and maintenance while providing the only fire-alarm grade solution to the first responder radio coverage.

- Only Fire Operational Solution
- Supports Class A operations
- Supports 470 MHz to 520 MHz
- TIQ.Cloud monitoring
- Utilizes UL864 listed power supplies

- Operates on TowerlinQ twisted pair wire
  – wide power supply voltage range
  – low voltage safe
  – up to 40 nodes in network
  – 1000 meter max length (can be extended with TQR repeater)

- Can be supervised by DRC for local control and voice input/output
- UL2524 pending
- Uniform Transceiver device capable to be configured as Hub or Node

TIQ.CLOUD
SUPERVISE

TIQ.Cloud seamlessly provides supervision of Public Safety Distributed Antenna Systems by enabling stakeholders to instantly view the status of buildings covered by TowerIQ equipment.

☑ **Program device configurations using a drag-and-drop interface and menu programming**

☑ **Silence alarms at your installation while troubleshooting**

☑ **Upload SNMP MIB and program health metrics to meet municipal requirements**

☑ **Create different user groups so employees can use your account**

☑ **Monitor historical logs and system status while maintaining records of approval for system operations**

TACTICAL SERIES
DEPLOY

The Tactical Series is the most installed, tested, and trusted ARCs infrastructure in New York City. With support from your local Service Partner and remote support from TowerIQ factory experts, we guarantee a simple installation and minimal ongoing maintenance costs.

The Tactical Series Dedicated Radio Console (DRC) is the FDNY incident commander's command and control panel for all radio communications, allowing them to have confidence that when they need two-way radio coverage it will be there. Upon arrival at the building, the incident commander uses a 2642 elevator recall key to activate Channel 11, 12, or both simultaneously, energizing the ARCS installation and providing life-safety grade two-way radio coverage throughout the building.

When not called upon the DRC places the ARCS installation in standby and is constantly monitoring all aspects of the ARCS installation, so maintenance can be performed quickly and accurately before being noticed during a fire.
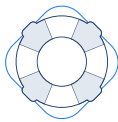
☑ **LCD and Audible Annunciation of Status**

☑ **Software Upgradeable to Requirement Changes**

☑ **Swappable Components for Easy Maintenance**

☑ **Automatic Speakerphone/Handset Control**

☑ **Handsets Supervised for Damage**

☑ **Operates on Coaxial Cable**

☑ **Code Compliant Battery Backup**

☑ **Utilizes UL864 Listed Power Supply**

☑ **8 Form C Relays Outputs & Supervised IDCs**

☑ **TIQ.Cloud Monitoring and Programming**

☑ **Total Audio Recording and Health Logging**

☑ **Built to UL2524A Requirements**

TOWER IQ
SIGNAL WHERE IT MATTERS
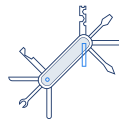
TOWERIQ™
SIGNAL WHERE IT MATTERS

Our Mission

To deliver clear, reliable, enhanced in-building communication to first responders during an emergency. We do this by leveraging TowerIQ's innovative ERCES experience with Potter's legacy of dependable life-safety solutions. We are committed to the quality that only comes from a steadfast focus on in-building communications and who they serve.

DESIGNED FOR LIFE-SAFETY

Our products are designed for life safety, not adapted to life safety.
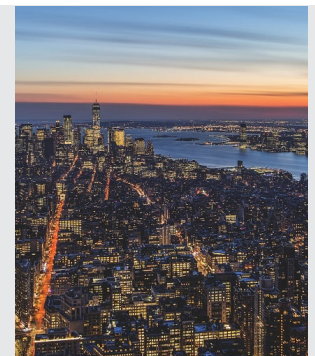
UNIVERSAL TOOLS

We focus on a few core devices rather than a large variety of distractions.

COMMITTED SUPPORT

We provide a customized response to your unique problems.

TowerIQ is honored to offer critical ERCES solutions first responders depend on to deliver in-building communication during emergencies. We are the pioneers in public safety radio communications. When the need for better emergency communications became obvious in New York City in 2001, TowerIQ was formed to develop robust and technologically advanced solutions to the problem. After years of experience managing the entire process from design to maintenance of ARCs systems in New York, we acquired the Guardian product line to expand to the rest of the country and bring what we have learned to the larger BDA market.

That pioneer spirit still runs through our organization and drives us to constantly innovate. Whether we're thinking up new product ideas or helping individual customers develop out of the box solutions to their problems, we pride ourselves on flexibility. However, with the backing of Potter Electric and its nearly 125 years of Fire Systems experience, we have learned quality control processes and the responsibility that comes with working within the life safety industry. With so much riding on our products, you need to know you can trust our designs.

Our entire business is about life safety and how to make sure first responders have one less thing to worry about during an emergency. You can always be sure that no matter the size of the building, TowerIQ will provide **"Signal Where It Matters".**

(844) 626-7638 | cs@tower-iq.com

To learn more about our parent company Potter Electric, please visit **www.pottersignal.com**

www.toweriq.nyc

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