



World Trade Center Site-Wide Integration Phase II

Access Control
Vertical Transportation
Utility Metering

Security Committee
October 22, 2014

THE PORT AUTHORITY OF NY & NJ

Site-Wide Integration

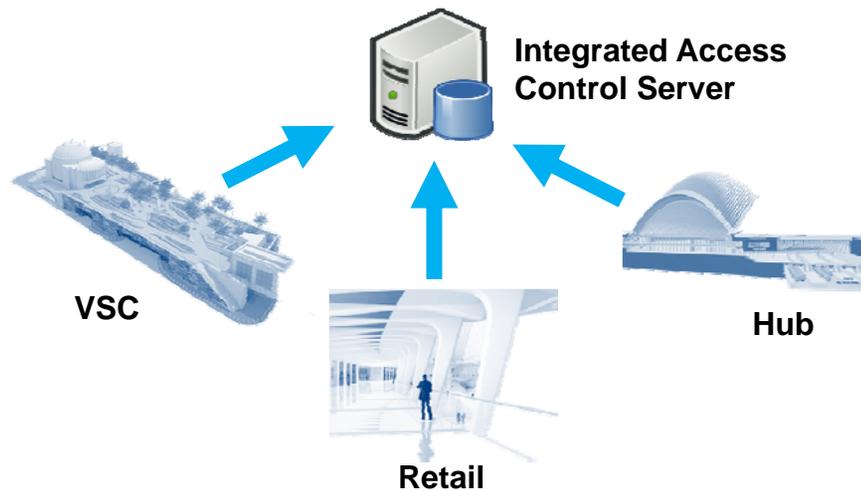
Goals & Background

- The integration of WTC systems is essential to:
 - Enhance life safety
 - Improve emergency response
 - Support a centralized operation
 - Maximize operational efficiencies
- February 2011: Board authorized \$8.1M to conduct a gap analysis of all operations systems at the WTC site
- May 2013: the Board authorized \$33.7M for Phase I (*inclusive of \$8.1M for planning*) for the first two initiatives:
 - Fire Alarm Integration
 - Leveling & Labeling
- October 2014: Requested authorization for \$6.3M increase in total project cost for Phase II:
 - Access Control
 - Vertical Transportation
 - Utility Metering

Project Initiatives

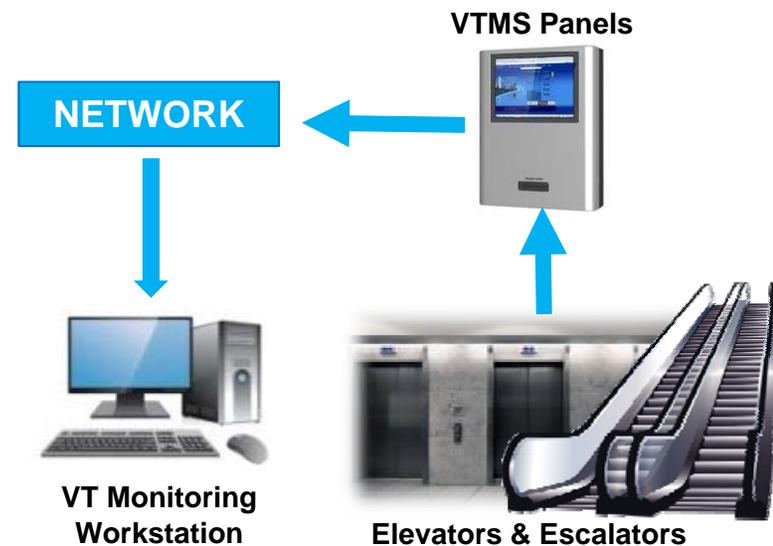
Access Control

- Provide a consolidated view and control tool for access control systems to PA assets
- Support first responders by facilitating unimpeded access as required during a security or life-safety event.
- Improve overall situational awareness and operate under a single “master” server



Vertical Transportation

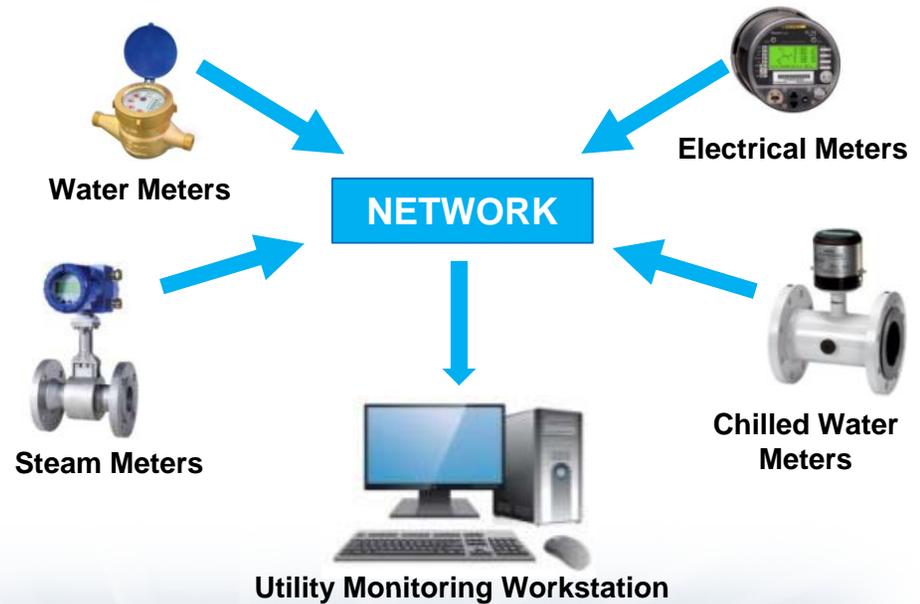
- Installation of Lift Net Software to monitor elevators/escalators in PA controlled areas
- Provide 24/7 situational awareness for immediate emergency response for entrapments
- Centralized monitoring workstation to reduce downtime of equipment



Project Initiatives

Utility Metering

- Ensure accurate and efficient tenant billing
- Eliminate human error with automated readings
- Audit-ready data
- Metric & benchmark energy consumption



Economic Impact

- 170 total job-years
- \$11M in wages
- \$58M in economic activity

Requested Authorization

Project Budget & Schedule

		(\$M)
Previous Authorization: Phase I (Leveling & Labeling and Fire Alarm)	\$	33.7
Requested Authorization: Phase II		<u>6.3</u>
Project Total (Phase I and Phase II):	\$	40.0

Contract Authorizations (included in the total requested authorization):

- ✓ Furnish and install integrated utility meters
 - Recommended award to SourceOne, Inc., the lowest bidder at an estimated cost of \$5.1 million

- ✓ Furnish and install a Lenel-based electronic security access control system
 - Recommended award to the lowest bidder, pursuant to a competitive bid process, at a total estimated cost of \$2.2 million, inclusion of an allowance for extra work

- ✓ Furnish and Install Elevator Monitoring System
 - Increase existing contracts with Zwicker Electric and ThyssenKrupp Elevator by \$257,000 for a total authorized contract of \$5.8 million and \$2.6 million, respectively

Project Schedule: Fourth Quarter 2014 – Fourth Quarter 2016