

Public Safety  
Solutions

COMMDEX

# In-Building Wireless (DAS/ERRCS)

## SYSTEM INTEGRATION SERVICES

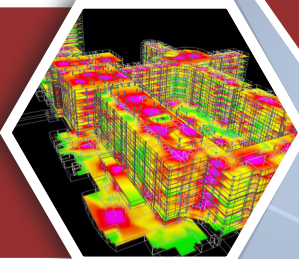
### 01. Planning

- Network coverage and capacity requirements gathering
- Existing network benchmarking
- Baseline Testing
- On-site baseline coverage analysis
- Capacity planning
- Technology and product selection
- Security needs analysis



### 02. Design

- In-building propagation analysis with iBwave
- Bandwidth and link budget analysis
- System layout and mapping
- Traffic engineering and analysis
- Interference studies and macro network analysis



### 03. Deployment

- End-to-end DAS installation
- R56 Compliant
- Full construction management
- Macro network optimization
- Head-end equipment installation and testing
- System optimization and acceptance testing



### 04. Maintenance

- Remote system monitoring, collection and reporting via SNMP
- System alerts via SMS or email
- On-site service calls
- Spares warehousing and RMA support



**Nationwide Experience:** Supported hundreds of mission critical systems in all 50 states

**Critical Communications Expertise:** Staffed with fully qualified engineers experienced and certified in the latest technology/tools

**Custom Solutions:** Multiple OEM Certifications to offer turnkey telecom solutions tailored to meet your needs

**Faster Implementation:** Proven processes ensure projects are completed on-time and on-budget



As a member of the Safer Buildings Coalition, we have access to the most current requirements being utilized across the country, as well as influence in new standards being developed to further the mission of reliable in-building communications for our emergency responders.



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# In-building Wireless (DAS/ERRCS)

## Past Performances

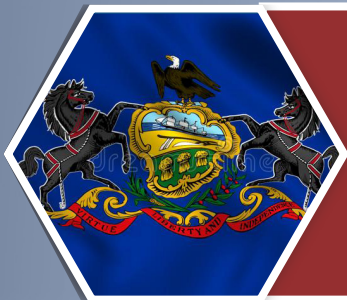


### Maricopa County, Arizona

- Full design and installation of a fiber DAS systems for the County Buckeye Jail complex.
- Performed extensive pre-installation site walks and system testing to minimize overlap zones and optimize radio coverage.
- Designed separate layers for law enforcement/ corrections and fire operation.
- Mitigated issues strong overlap from nearby donor sites that were causing excessive overlap and missed calls from existing DAS system.

### City of San Francisco

- Provided public safety DAS ensuring P25 radio coverage to multiple city buildings.
- Buildings covered included: City Courthouse, Art Museum, Hospital, Convention Center Library, and two Jails.
- Provided full turnkey design, installation, commissioning and testing of all systems.
- Developed specialty installation plans for areas that were architecturally sensitive such as the Art Museum and Courthouse or for security in the two Jails.



### State of Pennsylvania

- Performed site surveys and baseline coverage testing of dozens of buildings across the state to determine need for additional coverage enhancement.
- Installed new DAS systems and upgrades of 21 buildings and three road tunnels throughout the state.
- Designed and installed new fiber DAS system for the Capitol building and 13 other buildings in the Capitol complex to replace existing on-site radio repeaters.

### Oak Ridge National Lab

- Developed fiber DAS providing coverage to both public safety and commercial carrier within a 5 building complex
- Provided direct integration to the existing campus radio network
- Provided a Managed Access System to only allow approved devices to operate on the DAS system.
- Provided complete design, staging, testing and logistics for the complete project.



To engage with us for all your communications needs, contact us at [sales@commdex.com](mailto:sales@commdex.com)