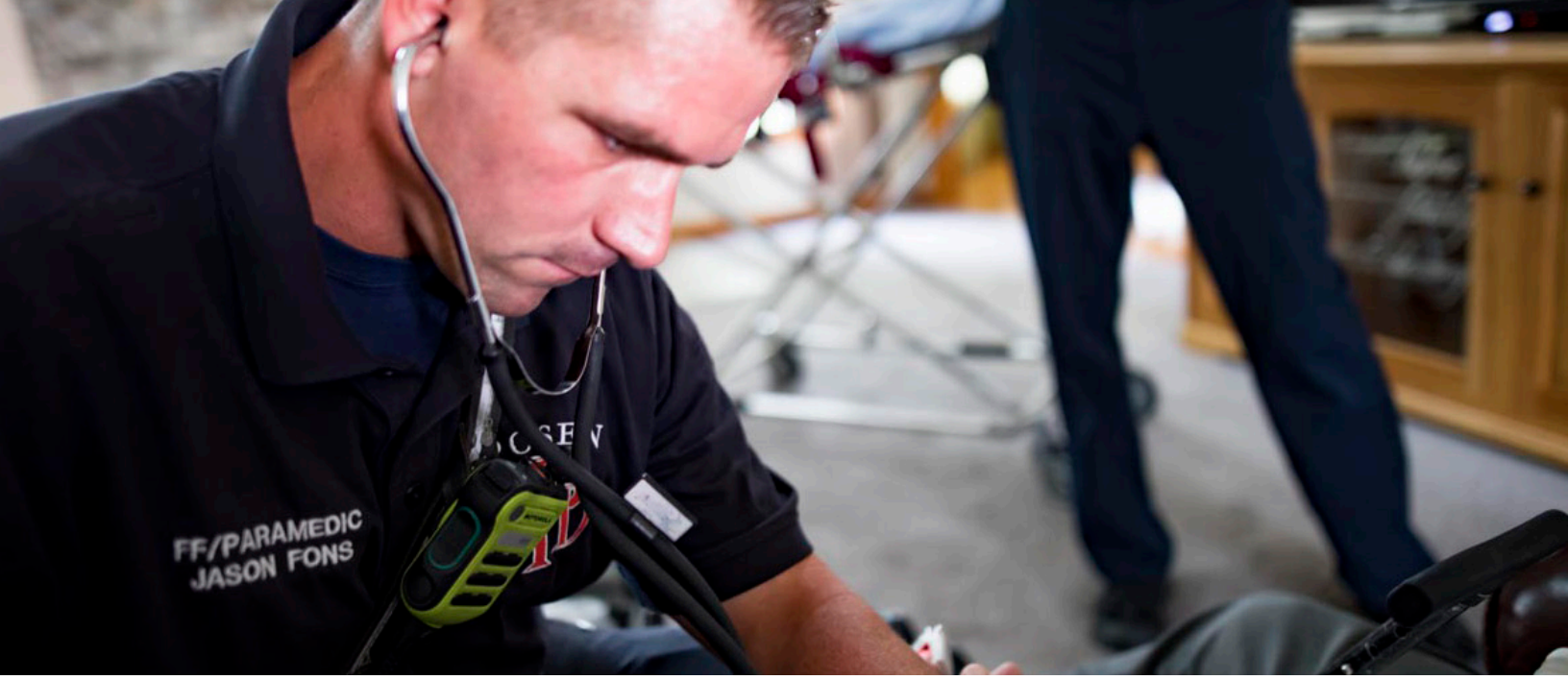


BOOSTING IN-BUILDING COMMUNICATIONS WITH DAS

POOR INDOOR COVERAGE CREATES RISKS

Radio communication is used by first responders and businesses alike. But when in-building communication suffers from weak signals the safety of the people inside and the business itself are at risk.

Public safety personnel responding to incidents depend on constant radio communication with dispatch and each other. Weak radio signals inside a building can delay or impede the ability for first responders to provide adequate help. Countless after action reviews cite that poor communication reduced the effectiveness of an emergency response. As a result, we are seeing more local jurisdictions implement building codes that require building owners to ensure reliable first responder communication indoors.

If you use a commercial radio system for your business operations, your business could suffer from weak in-building radio signals. Poor communication between your teams can slow down production, delay guest services, reduce product quality and ultimately impact customer satisfaction. Reliable communication can empower your teams to work together and more quickly resolve issues before they become costly.

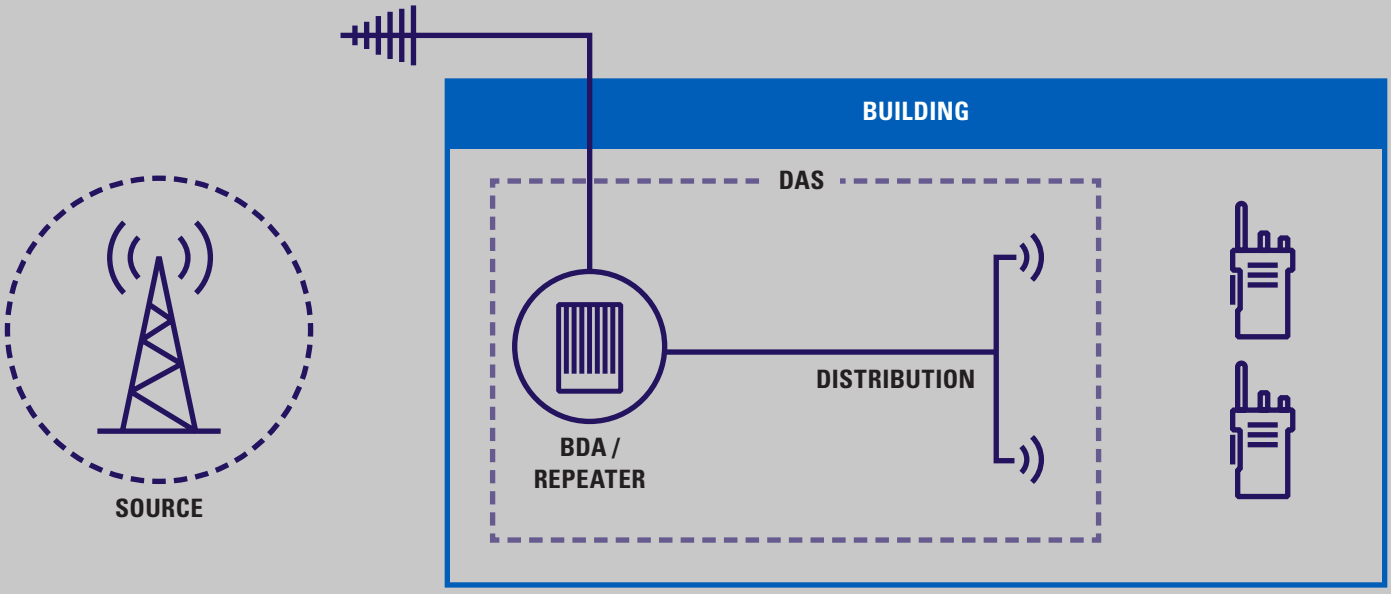
Distributed Antenna Systems (DAS) can solve in-building radio communication issues. These systems are designed to penetrate walls and boost radio signals deep inside of buildings to provide reliable in-building communication for either safety or your own business operations.

WHAT IS A DAS?

A Distributed Antenna Systems, or DAS, refers to the collection of parts used to amplify and distribute a radio signal throughout a building or other desired area. The system will pull the desired signal from the external macro radio system and then amplify it with a repeater or bi-directional amplifier (BDA). Transmission lines run through the building carry the signal to antennas which are strategically placed throughout the building.

IN-BUILDING MANDATES

The National Fire Protection Association (NFPA) is the foremost authority on fire, electrical and related hazards. NFPA 1225 addresses in-building communication for first responders. Many municipalities and other Authorities Having Jurisdiction (AHJ) have adopted NFPA 1221 and more recently 1225 in their building codes and thus require in-building communication for first responders. Codes vary by local, but these codes often apply to new building permits and sometimes require the retrofitting of existing public buildings.



KEY STEPS TO A SUCCESSFUL DAS SOLUTION

Improving in-building coverage is more than pumping in higher signals. Too much signal can cause interference and actually degrade communication in other areas. Successful DAS solutions use the best fit components for the building and are optimized to deliver just the right amount of signal in each area without interfering with adjacent area or the external macro radio system.

DESIGN

We custom design each DAS specifically for each building. Site walks consisting of signal measurements and propagation studies combined with floor plans identify ideal placement of antennas and other equipment to deliver ideal signal levels while minimizing RF interference

BEST IN CLASS COMPONENTS

We use only the best components sourced from top DAS solution manufacturers. This gives us a wide selection of high quality products to choose from when designing a custom fit solution for your specific building.

MAINTENANCE AND LIFECYCLE SERVICES

Our team stands ready for on-site response, repair and replacement if necessary. Annual inspections to verify the system is performing within expected parameters can help prevent unexpected outages while satisfying local certification requirements.

INSTALLATION & COMMISSIONING

A pre-construction site walk confirms equipment placement and cable routes. We verify the system meets or exceeds code compliance while not interfering with the external radio system, so you can obtain a certificate of occupancy.

MONITORING

Once your DAS is installed and commissioned, we ensure 24 hour visibility by offering remote monitoring services. When an actionable event takes place, it becomes an incident. Our Centralized Managed Support Operations (CMSO) technologists acknowledge and assess the incident, and initiate a defined response.

MOTOROLA SOLUTIONS: TRUSTED EXPERTS IN DISTRIBUTED ANTENNA SYSTEMS

As a leading provider of communication systems, we understand the importance of reliable communication. We believe that our decades of experience and thousands of DAS deployments make us uniquely qualified to solve your in-building communication needs.

For more information on our DAS Solutions visit us as : www.motorolasolutions.com/das

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