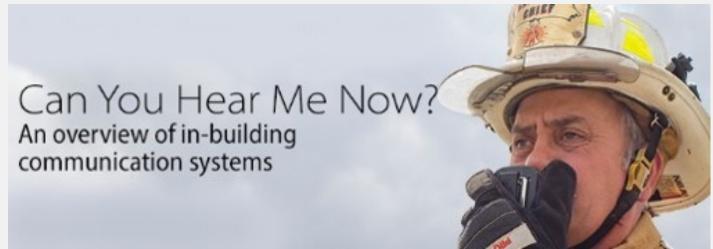


OSE Facilities Directors
Conference



October 17, 2019

Nathan Ellis Cell: 803-414-7161 nathan.ellis@llr.sc.gov

Emergency Responder Radio Coverage



The PROBLEM: In-Building Radio Signal Degradation

Radio signals are attenuated by:

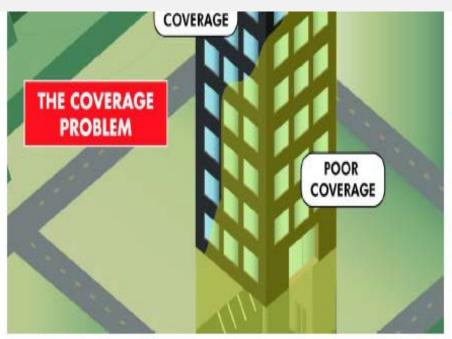
- Concrete, Metal & Other Materials
- Low-E Glass
- · Below-Ground Structures
- · Other Obstructions
- · Radio Frequency Interference

The consequence:

- Poor in-building Fire Fighter radio signal coverage and "dead spots"
- Emergency responders lose communications



The PROBLEM: Lack of radio signals in portions of the building.

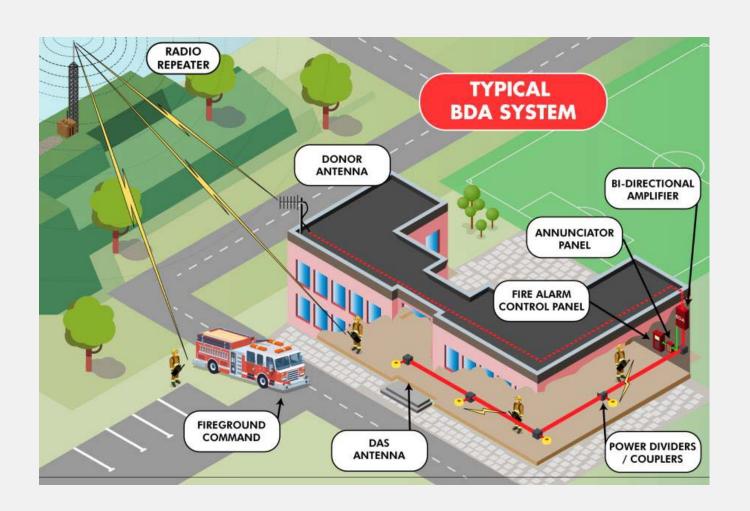


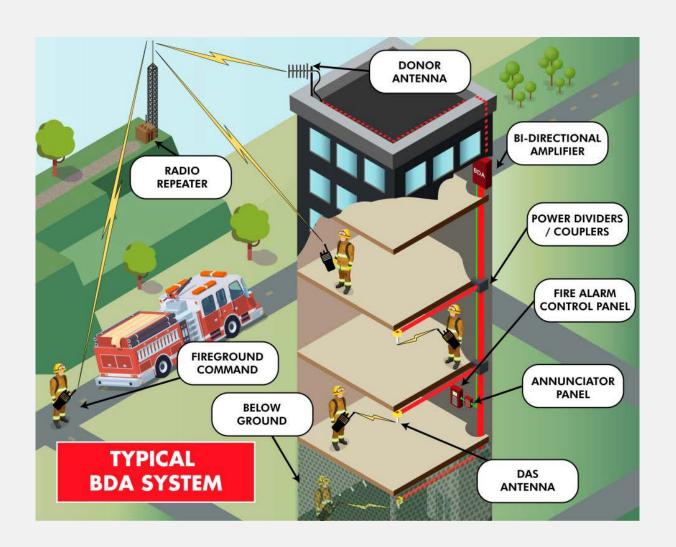


The SOLUTION:

<u>Distributed Antenna System (DAS).</u> A network of spatially separated antenna nodes connected to a common source via a transport medium that provides wireless service within a structure.





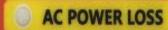


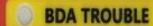
EMERGENCY RESPONDER RADIO BDA

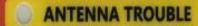


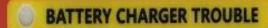


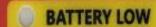














WHAT? WHERE? HOW? WHEN?



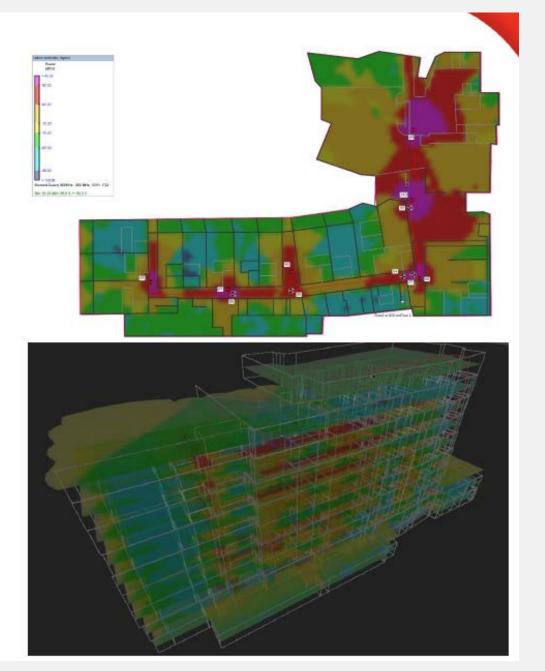


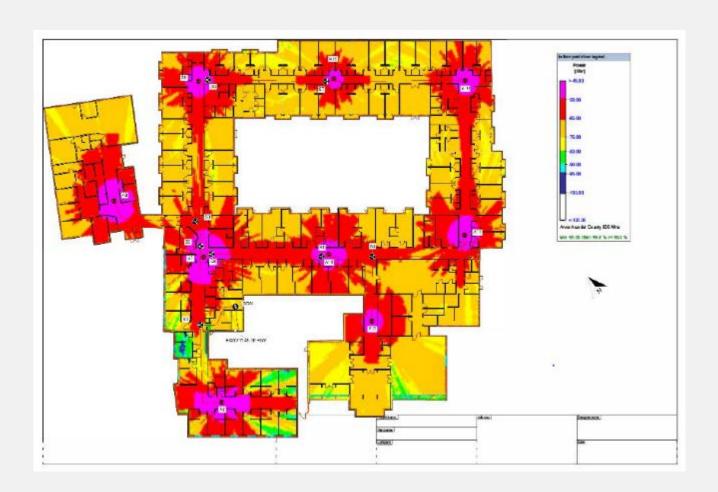


Available information will determine accuracy of design, schedule and budget.

IB-Wave Design

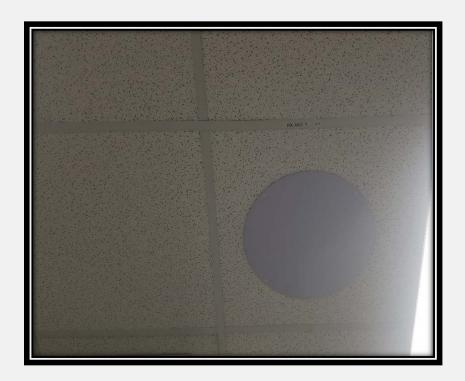
- Benefits of IB-Wave Modeling
 - Signal Prediction for new construction.
 - Design layout for installers.
 - Submittal documentation for AHJ's and A&E's.

















FAQ's about Fire Alarm Systems



What happens when copper phone lines go away?

When do I have to bring my existing fire alarm up to current code?



Fire and Life Safety in Your Facilities

What should I do now?

- Remember, the public is not aware of risks and potential for harm that exists in your facilities. They expect that you are providing a safe environment for them.
- Don't do your job to keep from being in trouble. Do your job because it's the right thing to do.



Fire and Life Safety in Your Facilities

What should I do now?

 Remember one little lie can cost the world a treasure.



