

# SUCCESS STORY

## Distribution Center Needs Emergency Responder Radio Coverage System to Meet Fire Marshal's Requirements in 20 Days



### PROBLEM

A large retailer was close to taking occupancy of a new 1 million sq. ft. distribution center. With just a few weeks prior to opening, the local fire marshal introduced the requirement for an Emergency Responder Radio Coverage System (ERRCS).



### SOLUTION

With 24 hours, **Advanced Wireless Communications** engineers designed a cost-effective antenna and amplifier system to fully address the police/fire radio requirements. The customer adopted **AWC's** design and proposal. The customer approved the project with the caveat that the installation must be completed and approved promptly before the occupancy date.



### RESULT

**Advanced Wireless Communications** successfully installed a substantial distributed antenna system (DAS) and necessary radio amplifiers. The entire project was completed within a very aggressive 20 day timeline. The system was approved by local regulators and the customer's desired occupancy date was achieved.



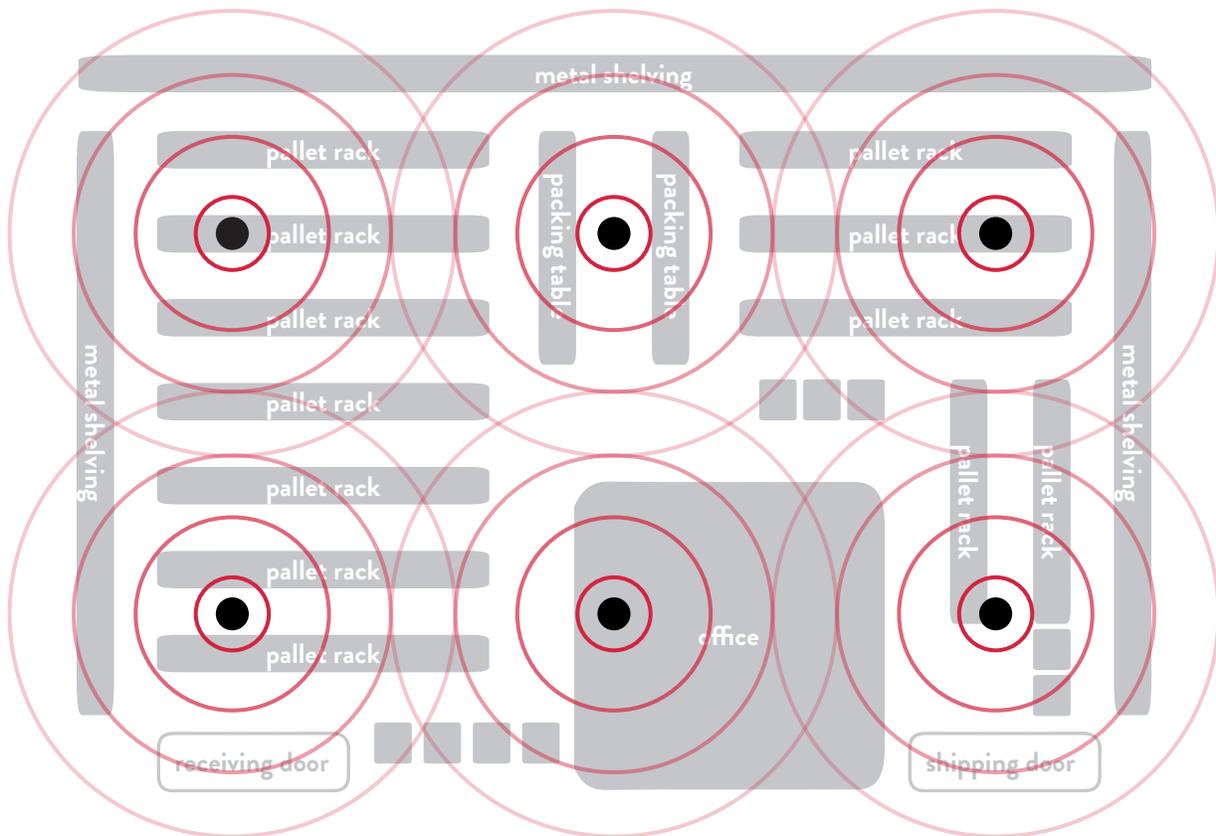
### STORY

A building's signal strength depends on many factors; such as building size, number of rooms, metal storage racks, and building material. Inadequate signal strength can lead to issues for emergency responders who rely on communication to safely and effectively handle stressful emergency situations. To combat this, the International Fire Code (IFC) requires that all buildings must be capable of meeting the radio performance criteria as stated in IFC Section 510. An Emergency Responder Radio Coverage System will allow emergency responders to maintain radio communications during an incident, and will provide a higher level of protection and safety for firefighters while inside buildings.

**Advanced Wireless Communications** has extensive experience in meeting police/fire ERRCS requirements. We act as a trusted partner to comply with all achieve necessary regulations while minimizing infrastructure costs. Our staff can effectively communicate with fire marshals and the appropriate JHA. Our engineers and installation teams can move quickly to design and implement the appropriate system to meet your needs.



# DISTRIBUTED ANTENNA SYSTEM



International Fire Code Section 510 states: "All new buildings shall have approved radio coverage for emergency responders within the building."



A distributed antenna system (DAS) with necessary radio amplifiers is installed to improve coverage and minimize "dead" zones throughout the building.



Emergency responders are able to have more effective and reliable in-building radio communication when an emergency situation arises.

