



What Architects Must Know About In-Building Emergency Communications

AIA Course: CRUX2024-001

Course Description:

This course equips design professionals with the knowledge to seamlessly integrate Emergency Radio Coverage Enhancement Systems (ERCES) into building designs. Participants will learn about ERCES's critical role in facilitating reliable communication for first responders during emergencies. Through case studies and best practices, architects will understand compliance requirements, recognize communication challenges, and gain practical skills to ensure effective ERCES implementation, enhancing building safety and emergency response capabilities.



Designing smarter, safer, and more efficient buildings.

To schedule a Lunch & Learn for your firm please email us at sales@cruxsolutions.com or call us at (800) 685-6440

Learning Objectives

Understanding the importance of ERCES: Participants will grasp the critical role of Emergency Radio Coverage Enhancement Systems (ERCES) in ensuring effective communication for first responders during emergency situations.

Compliance with Building Codes: Architects will gain knowledge of the specific building codes and regulations that mandate the installation of ERCES in various types of buildings, emphasizing the importance of compliance for public safety.

Recognizing Communication Challenges: Participants will identify the factors that can hinder radio signal propagation within buildings, such as building materials, architectural design, and electronic interference, thus understanding the importance of addressing these challenges for optimal radio coverage.

Implementing Best Practices: Architects will learn about best practices for integrating ERCES into building designs, including collaboration with radio frequency engineers, conducting RF site surveys, implementing redundant systems, and establishing regular testing and maintenance protocols, enabling them to prioritize ERCES implementation effectively.