

Distributed Antenna System (DAS) - Fundamentals of In-Building Wireless Structures

Current & Future Technology Trends

Online, On-Site and 1-on-1 Training Sessions Available

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What?

What is DAS? Who uses it? How is it constructed and who does the deployment? Why is DAS so important? When is a DAS system appropriate? DASPedia instructors will train you to become proficient in these questions. Our courses are simple to follow and require no special training. Your enthusiasm to learn about wireless & communication technology is the only course prerequisite.

Why?

The DAS and wireless landscape is an open frontier, an industry valued in the tens of billions and expanding rapidly. Thousands are already employed designing, building, deploying and maintaining DAS systems. But this is just the start. The DAS industry is still in its infancy and constantly evolving. It promises rapid growth and opportunity for those sharp enough to get in on it.

Who?

This is an introductory course in In-Building Wireless technology. Professionals of all backgrounds are encouraged to take this course to learn the fundamentals of wireless solutions and technologies being deployed in today's information driven world. Whether you're a professional just stepping in or a layman curious about it, this course is an essential introduction to the DAS sector of the wireless industry.

Course Outline

- Evolution of Cellular Technology from 1G to 4G/LTE
- Description of wireless networks and challenges
- Currently deployed wireless technologies
- Basic overview of cellular network infrastructure
- Introduction to DAS (Distributed Antenna System)
- DAS Hardware and Equipment
- Types of DAS
- Highlights of Public Safety Communication and Layered WiFi deployments
- Current and Future Trends of Wireless Technology
- Role of IT Professionals in the Wireless Industry

Topic Examples

- Macro Network and In-Building Wireless Systems
- DAS – Distributed Antenna System
- Small, Pico and Femto Cells
- BDAs & Repeaters
- Active vs Passive DAS
- Outdoor and Indoor DAS (oDAS vs. iDAS)
- Analog and Digital DAS (CPRI)
- System Integrators, Neutral Hosts, Contractors
- FirstNet, Public Safety DAS
- WiFi, MiMo vs SiSO
- Spectrums
- Radio Dot, 5G
- C-RAN, HetNet, Densification and Middleprise