

Smart Building Design Training

AGENDA

1. PART I Definitions, Market, Standard

- What is “ Smart Building” ?
- Is Smart Building covered by standards ?
- Which existing standards can we use ?
- Market Trends
- Smart Building Benefits
- Strategic Alliances

2. PART II Technologies

- POE, POE+ and POE++
- Wifi 5, 6, 7 – 5G
- Sensors/Peripherals/Lighting
 - SPE, IP, Data
- Audi/Video – Atlona

3. PART III Cabling systems & Network Infrastructure

- Cabling solutions - design/areas/rooms/Consolidation point
- Legacy cabling (BACnet, Modbus...)
- Copper solution – Single Pair Ethernet - Performances and solutions
- Fiber solution - Performances and solutions
- Synthesis (Matrix) - which Cabling/Wireless solutions for which needs ?
- Cabinets - enclosures - 2 & 4 Post
- PDU's
- Pathways

4. PART IV Datacenter - Micro DC - Technical rooms

- Technical room Detail
- Space optimization
- Panduit PDU's solutions
- Pre-Terminated and High Density Solution
- Cable routing solution
- Grounding & Bonding