

Electrical Distribution Design

Agenda

09:15 Arrival – Registration / coffee / tea

09:30 Session 1:

- Student Exercise
- Low Voltage Distribution.
- Approach, Methodology, Reliability & Resilience, PLC Control Systems.
- General understanding of fault levels and simple calculations and the effect of standby diesel generators within the electrical distribution system.

11:15 *Coffee / tea break (15 mins)*

11:30 Session 2:

- UPS Systems.
- Simple understanding of harmonics. IGBT Static, Rotary, Diesel Driven Rotary, UPS Input Switchgear, UPS Output Switchgear, Isolation Transformers & Power Distribution.

13:00 *Lunch (60 mins)*

14:00 Session 3:

- Innovations in Technology.
- Relays, Latching Relay Panels, ACBs, Thermographic Imaging, Watchdog Circuitry, System Resilience, and System Reliability Module & Dual Control Circuitry.

For more information about this course contact the training team:

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15:00 *Coffee / tea break (15 mins)*

15:15 Session 4:

- System Designs.
- Innovation Examples in Low Voltage Distribution Systems, UPS System Design & Final Distribution.
- Simulation of Distribution Systems.
- Future Trends

16.00 - 16.30 Q & A

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