

ELECTRICAL COURSES

POWER SYSTEM GROUNDING (E18AE)

OBJECTIVE:

This seminar provides attendees with a practical understanding of equipment grounding, bonding and ground fault detection.

WHO SHOULD ATTEND?

This course is intended for electrical engineers and supervisors who are responsible for maintaining the integrity of the ground system.

COURSE CONTENT:

- Introduction
- Power System Fundamentals for Earthing
- Power Plant Characteristics and Parameters
- Analysis of Balanced Faults
- High Current Faults (Video Presentation)
- Protection and Earthing
- Unbalanced Fault Calculation
- Sequence Networks for Unbalanced Fault Analysis
- Fault Limiting through Star Point Impedance
- Three Phase Transformers for Fault Limiting
- Earthing System Design Fundamentals
- Low Voltage Systems and Building Regulations
- Earthing Methods
- Earthing of MV and LV Systems
- Earth Bonding Requirements
- Regulations for Earthing
- Earth Conductors
- Earthing Installation Methods
- Performance of Earthing Electrodes
- Design of Earth Electrode System

**(POWER SYSTEM GROUNDING (E18AE)
Contd.)**

- Earthing Systems (Video Presentation)
- Small/Medium Area Earth Electrode Systems
- Lightning Protection
- Lightning Protection (Video Presentation)
- Corrosion of Earthing Materials
- Earth Impedance Measurement
- Maintenance of Earthing Systems
- Managing of Safe Earthing System

Duration: 5 Days

Date:	Venue:	Cost:
Jan 12 – 16	Jubail	SR7,000
Mar 29 – Apr 2	Dubai	SR8,000
Jun 14 – 18	Sharm El-Shaikh	SR8,000
Oct 18 - 22	Qatar	SR8,000