

ELECTRICAL COURSES

POWER SYSTEM NETWORK, DISTRIBUTION and PROTECTION (E98AE)

OBJECTIVE:

This course explains basic theoretical analysis of operation and distribution. Electrical Power Generation, Transformation, Distribution and Protection Techniques are also covered.

WHO SHOULD ATTEND?

This course is recommended for electrical supervisors, engineers or whoever is involved in power system networks, distribution and protection.

COURSE CONTENT:

- Introduction
- Power System Components
- Generating Units
- Performance and Economics of Transmission and Distribution Systems
- Voltages and Power Calculations of the Transmission Systems
- Load Flow Calculations
- Short-Circuit Calculations
- Circuit Breaker Rating Calculations
- Power System Protection
- Basic Definitions and Standard Device Numbers
- Distance Protection Relays

Duration: 5 Days

Date:	Venue:	Cost:
Jan 19 – 23	Jubail	SR7,000
Feb 9 – 13	Dubai	SR8,000
Aug 9 – 13	Sharm El-Shaikh	SR8,000
Oct 25 - 29	Qatar	SR8,000

POWER CABLE CHARACTERISTICS and APPLICATION (E75AE)

OBJECTIVE:

This course provides the theoretical and practical information you need to understand the engineering characteristics of electric power cables and accessories. This is your opportunity to gain the knowledge that will help you successfully apply power cables to meet your electric power system requirements.

WHO SHOULD ATTEND?

This course is designed for engineers who are responsible for the design, manufacture, specification, inspection, installation, and/or operation of insulated power cables and accessories.

COURSE CONTENT:

- Historical Review and Description of Cable Systems
- Basic Dielectric Theory of Cables
- Cable Manufacturing
- Splicing and Terminating
- Properties of Dielectric Materials
- Partial Discharge Fundamentals
- Cable Component Selection, Low Voltage
- Cable Standards
- Low Voltage/Plant Applications
- High Voltage Cables
- Ampacity Calculations

Duration: 5 Days

Date:	Venue:	Cost:
Mar 29 – Apr 2	Qatar	SR8,000
May 3 – 7	Dubai	SR8,000
Aug 16 – 20	Sharm El-Shaikh	SR8,000
Oct 18 - 22	Jubail	SR7,000