

# ELECTRICAL COURSES

## ELECTRICAL EQUIPMENTS, TESTING AND MAINTENANCE (E102AE)

### OBJECTIVE:

This course is designed to provide the participants understanding for the necessary practical and theoretical information about most of electrical equipment testing and maintenance.

### WHO SHOULD ATTEND?

This course is intended for electrical engineers, supervisors and technicians who are involved in the operation of electrical system, electrical motors or industrial processes.

### COURSE CONTENT:

- Introduction to electrical circuits
- Testing of electrical equipments
- AC and DC voltage testing of electrical equipment
- Power transformer and testing
- Direct current motors testing and troubleshooting
- 3 phase induction motors testing and troubleshooting
- Electrical cables and testing
- Rectifier circuits an testing
- Programmable logic controllers (PLC)

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 12-16	Dubai	SR8,000
Feb 16-20	Jubail	SR7,000
Jun 7-11	Sharm El-Shaikh	SR8,000
Nov 22-26	Qatar	SR8,000

## ELECTRICAL FAULTS, CAUSES, DETECTION AND REMEDIES (E1AE)

### OBJECTIVE:

This course is designed to provide the participants with knowledge about fault analysis, fault causes, fault detection and fault calculations in order to have operation and maintenance of power systems safely.

### WHO SHOULD ATTEND?

This course is recommended for electrical engineers and experienced technicians whom working in electrical distribution, transmission, operation, maintenance and protection of electrical power systems.

### COURSE CONTENT:

- Power systems configurations
- Per unit system
- Symmetrical components
- Electrical faults analysis
- External faults analysis
- Protective equipment in power systems
- Fault detection and remedies
- Rotating machinery and transformer protection

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 5-9	Jubail	SR7,000
Apr 5-9	Dubai	SR8,000
Jun 7-11	Sharm El-Shaikh	SR8,000
Oct 11-15	Qatar	SR8,000