

# ELECTRICAL COURSES

## HV AC, DC BREAKERS AND SUBSTATION EQUIPMENT (E86A)

**OBJECTIVE:**

This course will provide participants with detailed theoretical and practical about HV AC., Breakers, Substation, and Insulators.

**WHO SHOULD ATTEND?**

This course is recommended for electrical engineers and technicians with experience in the field of isolators and substations and some experience in HV AC who require detailed information of the field.

**COURSE CONTENT:**

- H V AC Circuit Breaker
- HV AC System Layout
- Isolators
- Busbar System Recommended for Large Important Substations.
- Busbars
- Busbar Design
- Substation
- Transient Overvoltage

**Duration: 5 Days**

Date:	Venue:	Cost:
Jan 17 – 21	Dammam	SR7,000
Jul 25 – 129	Dammam	SR7,000
Nov 14 – 17	Dammam	SR7,000

## INDUSTRIAL ELECTRICAL SAFETY (E32A)

**OBJECTIVE:**

The objective of this seminar is to identify the electrical shock hazards that exist in industrial facilities and power plants, and describe the precautions that are necessary to perform electrical jobs safely.

**WHO SHOULD ATTEND?**

This course is recommended for electrical technicians involved with maintenance, troubleshooting, and installation of electrical equipment and devices.

**COURSE CONTENT:**

- Safety Related to High Voltage Equipment
- Interlocking Schemes
- Personal Protective Equipment
- Grounding and Isolation Procedure
- HV Safe Working Distance Clearance and Permit
- Hazard of Electrical Shock and Flashover
- Procedure for Entering Hazardous Areas
- Voltage Detection Techniques and Safe Practices
- Physiological Effects of Electrical Shock and Flashover
- Substation, Tower and Mobile Equipment Grounding
- Legal Requirements
- Safety Audits
- Managing Safety

**Duration: 5 Days**

Date:	Venue:	Cost:
Feb 21– 25	Abha	SR 8,000
May 9 –13	Dammam	SR7,000
Aug 8 – 12	Dammam	SR7,000