

ELECTRICAL COURSES

INDUSTRIAL MOTOR CONTROL (E31A)

OBJECTIVE:

This seminar provides attendees with practical understanding of motor controls, starting and troubleshooting.

WHO SHOULD ATTEND?

This course is intended for technicians and engineers.

COURSE CONTENT:

- Introduction to Motor Controls
- Selecting and Maintaining Contacts
- Fuses, Breakers, and Over Loads
- Motor Control Circuits
- Reduced Voltage and Synchronous Starting
- Troubleshooting Motor Control Systems

PRACTICAL TASKS:

- Familiarization of different test equipment
- Perform different tasks on the electrical module
- Demonstrate different control circuits components
- Industrial motor troubleshooting interactive CD.

Duration: 5 Days

Date:	Venue:	Cost:
Feb 2 – 6	Dammam	SR6,000
Jul 19 – 23	Dammam	SR6,000
Oct 11 – 15	Riyadh	SR7,000

INDUSTRIAL SWITCHGEAR TROUBLESHOOTING MAINTENANCE & TESTING (E14B)

OBJECTIVE:

This course is designed to provide knowledge in the operation, inspection, testing and maintenance of different types of circuit breakers such as air, oil, SF₆, air blast, and vacuum circuit breakers.

WHO SHOULD ATTEND?

This course is intended for experienced electrical technicians and engineers who require detailed information on the operations, inspection, and maintenance of switchgear.

COURSE CONTENT:

- Introduction to Industrial Switchgear
- Circuit Breakers and Switches
- Oil and Vacuum Breakers
- The Gas Circuit Breaker
- Switchgear Maintenance
- Switchgear Protection
- Troubleshooting
- Case Histories of Switchgear Failures

PRACTICAL TASKS:

- Demonstrate the main parts of low voltage circuit breaker, medium voltage circuit breakers, medium voltage vacuum circuit breakers
- Functional test / Megger test
- Contact resistance test and contact wear gap test for vacuum circuit breakers
- Dielectric oil test for oil circuit breakers
- Vacuum integrity test

Duration: 10 Days

Date:	Venue:	Cost:
Mar 29 – Apr 9	Dammam	SR10,000
Aug 23 – Sep 3	Dammam	SR10,000