

Course Overview:

This course will discuss application, installation, electrical maintenance and testing issues related to Low Medium and High Voltage Electric Circuit Breakers, Switchgear, and Electrical Power. The course will provide the delegates with a solid understanding of theory and standards. The course will make the delegates aware of issues concerning the proper application, installation and maintenance of these types of equipment with a strong emphasis on safety.

Course Objective:

This course provides an overview of electric power system, focusing on the types of equipment used most commonly in the Utility, Industrial, Commercial and Institutional applications. Basic Circuit Breaker, electrical safety, and common maintenance techniques are major components of this course.

Course Outline:

- Introduction Power Systems
- Safety Aspects
- Fundamentals Of Electrical Maintenance.
- Maintenance Of Electrical Equipment & Inspection.
- Risk Assessment
- High, Medium, Low Voltage Switchgear
- Substation Types
- Substation Grounding
- Circuit Breaker Maintenance, Care & Testing

Who Should Attend:

Engineers involved in design, operation and maintenance of power substations. A degree in electrical engineering is recommended to gain maximum benefit.

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation