

**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:**

- Provide the electrical engineer with the techniques, craft skills and technology required for electrical installation work inside and outside buildings.
- Improve the engineers abilities in reading the electrical technical drawings
- Simplifying the practical installation problems
- Review the basic concepts of electrical equipment
- Identify the importance of safety working practices
- Help the Engineers in contract planning and bar charts for installation works

**Course Outline:**

- Introduction To Bearings
- Fundamentals of Electrical Design And Maintenance.
- Substation And Transformer Maintenance
- Metal Enclosed Switchgear Assemblies
- Circuit Breaker Maintenance
- Ac Motor Maintenance
- Dc Motor Maintenance
- Power Factor Correction
- Grounding
- Maintenance of Electrical Equipment & Inspection.
- Maintenance Testing

**Who Should Attend:**

This seminar is recommended primarily for maintenance technicians and electrical engineers who supervise maintenance of electrical equipment.

**Training Language:**

EN / AR

**Training Methodology:**

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