



شركة ميرك العربية السعودية
MEIRC Saudi Arabia

Electrical Power Substation Maintenance

Duration 5 Days

Introduction

There is considerable interest among people who operate and maintain electrical power systems in a Wide range of topics relating to equipment maintenance and testing. This is because condition and reliability are directly related to maintenance and testing to obtain maximum life from electrical equipment, maintain its reliability, and minimize repair cost, it is necessary to serve and test it periodically to predict condition.

Proper installation and preventive maintenance of substation will assure continued electrical power supply, it is very important to the consumers specially, for industrial sector where the curtail of electrical power supply is costly.

Who Should Attend

This course is intended for Electrical Engineers & Supervisors, who work in operation, maintenance, protection, control and analysis of Utilities & Industries Electrical Networks

Course Goal:

To enhance the delegate knowledge, skills, and abilities necessary to Proper installation and preventive maintenance of electric power substations

Course Objectives:

By the end of the course, participant will be able to:

- Perform proper maintenance on substations Equipment, including transformers, circuit breakers, bus bars, metering, protective devices, batteries...etc.
- Become familiar with substation standards.

Course Outline:

- Introduction to Electrical Equipment Maintenance & Testing
- Power System Components
- Sub-Station Components
- Schematic Diagrams
- Overview of Electrical Preventive Maintenance & Testing
- Overview of Testing & Test Methods
- Transformers
- Preventive Maintenance of Transformers
- Dry Type & Liquid Type Transformers.
- Installation, Acceptance & Maintenance
- Transformer Testing
- Instrument Transformers
- Maintenance & Testing of Instrument Transformer
- Electrical Switchgear Testing
- Electric switchgear Maintenance
- Protective Relays
- DC (Battery) Control Power Equipment
- Grounding Resistance Measurement
- Case Studies & Discussions