



Electrical Testing & Commissioning of Electric Power Systems

Date	Venues	(\$Fees	Book your seat
06 Apr -10 Apr 2025	Dubai	2900	Register Now

Course Overview:

- Electrical testing, troubleshooting and commissioning of electric power systems is essential to the safe startup of any electrical system for the first time, regardless of its size, type or industry. It is a very special occurrence and poses some unique challenges to electrical personnel. Inexperience and poor planning will inevitably result in prolonged delays in the startup which can lead to costly productivity losses. This course provides invaluable information to anyone who wishes to know and understand the role of Electrical testing, troubleshooting and commissioning of electric power systems.

Course Objective:

- The electrical acceptance testing and commissioning of electric power systems is essential to the startup of any electrical system for the first time, regardless of its size, type or industry. It is a very special occurrence and poses some unique challenges to electrical personnel. Inexperience and poor planning will inevitably result in prolonged delays in the startup which can lead to costly productivity losses. This course provides invaluable information to anyone who wishes to know and understand the role of Electrical Acceptance Testing, Commissioning and Start-up of Electrical Power Distribution Systems. The importance of planning and preparation for the project, from engineering to commissioning and start up, will be emphasized. This course deals with safety considerations and testing and start-up procedures for all the components of any electrical system. The course leader will also offer useful guidelines on what to do when things go wrong during this phase of a project

Who Should Attend?

- This seminar is intended for Electrical Engineers, Maintenance engineers, supervisory and technical staffs working in maintenance related roles, which need either a greater awareness of, or to get more involved in, preventive maintenance activities and the troubleshooting. Because the methods and examples are generic, personnel from all industries will benefit.

Course Outline:

- Electrical Theory
- Basic Electrical Theory & Commonly Used Formulae
- Understanding Electrical Drawings
- Ac/Dc Trip & Control Schematics
- General System Design, Lay-Out And Drawings
- Component Testing Procedures
- Safety
- Construction Site Considerations
- Safety During A Startup Project

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion

- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation



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