



London TDM

Mechanical and Electrical Engineering Training Courses

Course Venue: United Arab Emirates - Dubai

Course Date: From 02 November 2025 To 06 November 2025

Course Place: Downtown Dubai

Course Fees: 5,000 USD

Introduction

This 5-day professional course on "Electrical Testing and Commissioning" is designed to equip participants with the essential knowledge and skills required to efficiently conduct testing and commissioning of electrical systems. The course covers industry standards, safety protocols, and best practices, ensuring a comprehensive understanding of all aspects of the process.

- Understand the fundamentals and importance of electrical testing and commissioning.
- Gain knowledge of different testing tools and methodologies.
- Learn to develop and execute a comprehensive commissioning plan.
- Identify and troubleshoot common issues during the testing phase.
- Ensure compliance with industry standards and safety protocols.

Course Outlines

Day 1: Introduction to Electrical Testing and Commissioning

- Overview of electrical systems and components
- Importance of testing and commissioning
- Industry standards and regulations
- Roles and responsibilities in commissioning
- Introduction to testing equipment and tools

Day 2: Testing Equipment and Methodologies

- Understanding various testing tools and their applications
- Insulation resistance testing
- Circuit breaker testing methods
- Transformers and relay testing procedures
- Analyzing test results and documentation

Day 3: Developing a Commissioning Plan

- Steps to develop an effective commissioning plan
- Site acceptance testing (SAT) procedures
- Coordination with stakeholders and team members
- Documentation and reporting requirements
- Case study: Preparing a sample commissioning plan

Day 4: Troubleshooting and Problem Resolution

- Common issues in electrical testing and commissioning
- Strategies for timely troubleshooting and diagnostics
- Mitigating risks and ensuring safety
- Root cause analysis techniques
- Workshop: Real-world troubleshooting scenarios

Day 5: Final Testing, Compliance, and Handover

- Conducting final tests and verification
- Ensuring compliance with standards and regulations
- Handover protocols and documentation
- Client communication and satisfaction
- Course review and assessment