**London TDM**

# Mechanical and Electrical Engineering Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 18 January 2026 To 22 January 2026

**Course Place:** Royale Chullan Hotel

**Course Fees:** 6,000 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