MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

ELECTRICAL INSTALLATIONS – INSPECTION AND TESTING

"Ensure Safe, Compliant, and Reliable Electrical Installations"

Schedule

Date	Venue	Fees (Face-to-Face)
10 – 11 May 2026	Doha, Qatar	USD 1995 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Electrical installation inspection and testing are critical to ensuring safety, reliability, and compliance with international standards and local regulations. Proper inspection practices help identify faults, prevent electrical hazards, and ensure systems operate efficiently throughout their lifecycle. This intensive 2-day training provides participants with a structured and practical understanding of inspection and testing procedures for electrical installations.

The course covers statutory requirements, inspection methods, testing instruments, and documentation processes. Through practical examples and case studies, participants will develop the competence required to inspect, test, and certify electrical installations in residential, commercial, and industrial environments.

Objectives

By the end of this course, participants will be able to:

- Understand the purpose and legal requirements of electrical inspection and testing
- Identify electrical installation defects and non-compliances
- Apply standard inspection procedures for electrical systems
- Perform key electrical tests using appropriate instruments
- Interpret test results and take corrective actions
- Prepare inspection and testing reports and certification documents

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Why Attend

- Enhance electrical safety and compliance
- Reduce electrical faults and accident risks
- Improve inspection accuracy and testing reliability
- Gain confidence in using electrical testing equipment
- Meet regulatory and client inspection requirements

Target Audience

This program is designed for:

- Electrical engineers and supervisors
- Electrical technicians and electricians
- Maintenance engineers and facility managers
- Electrical inspectors and quality control personnel
- Professionals involved in electrical installation and commissioning

Individual Benefits

Key competencies that will be developed include:

- Knowledge of electrical inspection standards and regulations
- Skills in visual inspection and fault identification
- Ability to conduct electrical tests safely and accurately
- Competence in interpreting test results
- Improved reporting and documentation skills
- Enhanced professional credibility in electrical safety

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved compliance with electrical codes and standards
- Reduced risk of electrical failures and accidents
- Enhanced safety performance of electrical installations
- Improved quality of installation and maintenance work
- Reduced downtime and maintenance costs
- Stronger organizational safety and compliance culture

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Electrical regulations, inspection standards, and safety principles
- Case Studies – Real-world examples of electrical faults and failures
- Workshops – Hands-on inspection and testing exercises
- Peer Exchange – Group discussions on common inspection challenges
- Tools – Inspection checklists, testing procedures, and reporting templates

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Electrical Inspection Fundamentals

Module 1: Electrical Safety and Regulatory Requirements (07:30 – 09:30)

- Electrical safety principles and responsibilities
- Applicable standards and codes
- Safe systems of work and risk assessments

Module 2: Visual Inspection of Electrical Installations (09:45 – 11:15)

- Inspection of wiring systems and accessories
- Identification of common defects and hazards
- Earthing and bonding inspection

Module 3: Pre-Testing Procedures and Documentation (11:30 – 01:00)

- Inspection schedules and checklists
- Preparation for testing
- Recording inspection findings

Day 2: Electrical Testing and Certification

Module 4: Electrical Testing Methods and Instruments (07:30 – 09:30)

- Continuity testing
- Insulation resistance testing
- Polarity and earth fault loop impedance testing

Module 5: Interpreting Test Results and Fault Diagnosis (09:45 – 11:15)

- Understanding acceptable test values
- Identifying faults and corrective actions
- Retesting procedures

Module 6: Reporting, Certification, and Case Studies (11:30 – 01:00)

- Inspection and testing reports
- Certification requirements
- Practical case studies and review

Certification

Participants will receive a Certificate of Completion in Electrical Installations – Inspection and Testing, validating their knowledge of electrical safety requirements, inspection procedures, testing methods, and compliance practices for electrical installations.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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