



London TDM

# Health, Safety, and Environment (HSE) Training

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 23 November 2025 To 27 November 2025

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

The "Electrical Safety for Technicians and Engineers" course is designed to equip participants with the necessary knowledge and skills to work safely with electrical systems. Over five days, attendees will learn about potential hazards, risk assessment, preventive measures, and emergency response pertaining to electrical safety. This course is crucial for anyone involved in electrical work, ensuring safety in the workplace and compliance with regulatory standards.

## Objectives

- Understand the fundamentals of electrical safety and associated hazards.
- Identify and utilize appropriate safety measures and personal protective equipment (PPE).
- Conduct risk assessments and implement control strategies.
- Comprehend emergency procedures related to electrical incidents.
- Acknowledge and comply with electrical safety regulations and standards.

## Course Outlines

### Day 1: Introduction to Electrical Safety

- Understanding electricity: Basic concepts and dangers
- Overview of electrical hazards in the workplace
- Principles of electrical safety standards and regulations
- Roles and responsibilities of technicians and engineers
- Introduction to personal protective equipment (PPE)

### Day 2: Identifying and Assessing Electrical Risks

- Risk identification: Common electrical hazards
- Risk assessment techniques and tools
- Case studies: Lessons learned from electrical accidents
- Developing action plans for risk mitigation
- Workshop: Conducting a risk assessment

### Day 3: Control Measures and Safe Work Practices

- Hierarchy of controls: Elimination, substitution, engineering controls
- Implementing administrative controls and safe work procedures
- Lockout/tagout procedures and electrical isolation
- Using and maintaining personal protective equipment (PPE)
- Practical exercises in implementing control measures

### Day 4: Emergency Response and Incident Management

- Recognizing electrical emergencies and immediate actions
- First-aid and CPR for electrical incidents
- Incident investigation and root cause analysis
- Reporting and documentation of electrical incidents
- Drills and exercises for emergency preparedness

## **Day 5: Legal and Regulatory Compliance**

- Overview of electrical safety laws and regulations
- Understanding compliance requirements and audits
- Roles of regulatory bodies and professional institutions
- Continuous improvement in electrical safety culture
- Course review and assessments