

Electrical Safety & Risk Management

COURSE OVERVIEW

This course provides a practical grounding in electrical safety principles and risk management practices essential for reducing hazards in industrial, commercial, and utility environments. The curriculum integrates technical concepts such as fault currents, grounding, arc flash hazards, and equipment protection with organisational safety procedures to strengthen workplace safety culture and regulatory compliance. Through practical exercises and global case studies, participants will learn to identify electrical risks, interpret safety standards, implement protective measures, and apply systematic risk assessment techniques.

WHO SHOULD ATTEND?

This course is ideal for electrical engineers, technicians, maintenance personnel, HSE professionals, plant supervisors, facility engineers, utility workers, and contractors who work with or around energized systems and need a solid understanding of electrical hazards, risk controls, and regulatory safety requirements.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Identify and assess electrical hazards in various work environments.
- Implement lockout-tagout procedures and safe work practices.
- Apply electrical protection devices and safety standards.
- Conduct risk assessments and develop mitigation strategies.
- Design electrical safety programs and emergency response plans.
- Interpret and comply with relevant electrical safety regulations.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Electrical hazard analysis and risk assessment methodologies.
- Personal protective equipment requirements and applications.
- Lockout-tagout procedures and energy isolation protocols.
- Arc flash hazard analysis and prevention strategies.
- Electrical safety standards and regulatory compliance requirements.
- Grounding systems and protection device coordination.
- Safety program development and audit procedures.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded