

Electrical Safety, Compliance & Maintenance

COURSE OVERVIEW

This course provides essential training in electrical safety practices, regulatory compliance, and maintenance procedures for electrical and renewable energy systems. It covers hazard recognition and risk assessment, lockout/tagout procedures, arc flash analysis, PPE selection, electrical code interpretation, grounding and bonding, and preventive maintenance for both conventional and renewable installations. Upon completion, participants will be able to implement effective electrical safety programs, ensure regulatory compliance, conduct hazard assessments, develop maintenance schedules, and establish safety protocols that protect personnel and equipment while improving system reliability and operational continuity.

WHO SHOULD ATTEND?

This course is essential for electrical engineers, maintenance technicians, safety officers, facility managers, renewable energy installers, and compliance specialists involved in designing, installing, operating, or maintaining electrical systems who need to ensure workplace safety, meet regulatory requirements, and implement effective maintenance programs across conventional and renewable energy applications.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Implement comprehensive electrical safety programs and emergency response procedures.
- Conduct arc flash hazard analysis and implement appropriate protective measures.
- Interpret and apply relevant electrical codes, standards, and regulatory requirements.
- Develop and execute systematic electrical maintenance and testing schedules.
- Perform risk assessments and implement effective hazard control measures.
- Document safety procedures and maintain compliance records.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Electrical hazard identification and risk assessment methodologies.
- Arc flash analysis and personal protective equipment requirements.
- Lockout/tagout procedures and safe work practices.
- Electrical code interpretation and compliance documentation.
- Grounding systems and bonding techniques.
- Preventive maintenance strategies and testing protocols.
- 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