

# ELECTRICAL SAFETY

## OVERVIEW

Electricity can kill or severely injure people and cause damage to property. Every year many accidents at work involving electric shock or burns are reported to the Health and Safety Executive (HSE). Most of the fatal incidents are caused by contact with overhead power lines. Even non-fatal shocks can cause severe and permanent injury. Those using or working with electricity may not be the only ones at risk – poor electrical installations and faulty electrical appliances can lead to fire, which may also cause death or injury to others. Most of these accidents can be avoided by careful planning and straightforward precautions.

## TARGET MARKET

- Technicians
- Those who handle electrical equipment

## COURSE OUTLINE

- Electricity is dangerous
- Danger of electrical shock
- Electrical injuries
- Overview of the safety model
- Safety model stage 1 – recognize hazards
- Safety model stage 2 – evaluating hazards
- Safety model stage 1 – controlling hazards: safe work environment
- Wiring design and protection

## OBJECTIVES

- Describes the hazards of electrical work and basic approaches to working safely
- Learn skills to help recognize, evaluate, and control electrical hazards
- Workers will be able to identify and maintain safe conditions in the workplace to avoid electrical hazard
- Prepare the participants for additional safety training such as hands-on exercises.



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