

Electricity Hazards

Hazards associated with the use of electricity in the workplace include:

General Electrical Hazards

- Overloaded plug sockets
- Exposed wires
- Damaged plug sockets
- Damaged electrical equipment
- Damaged electrical cables
- Lack of routine maintenance
- Incompetent installer
- Close proximity to flammables or explosives
- Using incorrect PPE when working on equipment and installations
- Working on live circuits



Outdoor Electrical Hazards

- Inadequate insulation
- Sockets exposed to wet or damp conditions
- Sockets exposed to harsh weather
- Incorrect use of electrical equipment
- Work at height
- Lack of routine inspection and maintenance
- Contact with live underground cables
- Contact with overhead power lines

Electrical hazards can cause:

- Electrocution
- Electric shock
- Burns
- Fires
- Explosions
- Falls

Electricity is an essential element in almost all workplaces in Ireland, however hazards associated with electrical equipment and electrical installations needed to be carefully controlled