



RENEW SAFETY

POWER PRODUCTION - CONSTRUCTION - INDUSTRIAL

Electrical Safety Awareness

Participants learn how to recognize electrical hazards, apply safe work practices, and protect workers operating around energized equipment in construction, industrial, and maintenance environments.



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OUR COURSE OVERVIEW

This instructor-led training focuses on recognizing electrical hazards and applying safe work practices when working around energized systems or electrical equipment.

The course explains common electrical hazards, safe work practices, and regulatory requirements used on active job sites. Participants gain the ability to identify electrical risks, understand hazard boundaries, and take the appropriate precautions when working near energized equipment or systems operating at 50 volts or higher.

Safety training is most effective when it prepares workers for the conditions they face every day. Our courses are developed with industry standards in mind and are structured to support compliance with OSHA electrical safety requirements and NFPA 70E guidelines.

Our programs are designed for teams that require practical safety training solutions. Whether preparing new workers for job site safety requirements or reinforcing awareness for experienced personnel, the training focuses on hazard recognition, safe decision-making, and electrical safety awareness.

By combining regulatory knowledge with real-world safety practices, Renew Safety helps organizations reduce incident risks, improve hazard awareness, and protect workers operating around electrical equipment and energized systems.



KEY LEARNING OBJECTIVES

What You Will Learn

- Recognize common electrical hazards in the workplace.
- Understand the effects of electric shock on the human body.
- Identify safe work practices around electrical equipment.
- Understand Lockout/Tagout awareness for affected workers.
- Know when and how to use electrical PPE and protective equipment
- Respond appropriately in the case of electrical emergencies
- Comply with relevant electrical safety regulations and safe work practices

Together, these key learning objectives help participants build the knowledge and awareness required to identify electrical hazards and work safely around energized systems.



Electrical Safety in Real Work Environments

Participants learn how electrical hazards can appear in many different work environments such as construction sites, maintenance areas, manufacturing facilities, and industrial plants. The training explains how equipment, wiring systems, and energized components can create risks when safe work practices are not followed.

Electrical Hazard Awareness

This course explains how electric shock, arc flash hazards, and electrical contact injuries occur and teaches workers how to recognize warning signs, maintain safe distances from energized equipment, and follow procedures that help reduce electrical incident risks in the workplace.

COURSE DETAILS

Prerequisites

Participants are not required to have electrical experience before attending the course. However, workers should have a basic understanding of workplace safety practices and may benefit from general safety awareness training. The course is designed for employees who work near electrical equipment but are not qualified electricians.

Certification

Participants receive a certificate of completion after successfully meeting course requirements. Certification aligns with OSHA electrical safety training documentation guidelines and supports workplace safety compliance.

Compliance

This course aligns with OSHA 29 CFR 1910 Subpart S and NFPA 70E electrical safety standards. Training covers important safety elements such as hazard recognition, safe work practices, protective equipment awareness, and electrical emergency response procedures.

Target Audience

This course is intended for construction workers, maintenance personnel, equipment operators, supervisors, and safety professionals who work around electrical systems or equipment and require electrical safety awareness training.



Course Code:

ELEC-AWARE-101

Format:

Instructor-Led Training

Duration:

~1-2 hrs

WHY TAKE THIS COURSE?

The Importance of Electrical Safety Awareness

- Electrical hazards remain a major cause of workplace injuries and fatalities in industrial environments.
- Proper electrical awareness helps workers recognize risks before incidents occur which increases workplace safety.
- Safe work practices reduce the risk of electric shock, burns, and arc flash injuries.

Electricity is present in nearly every workplace, and workers who are not properly trained may unknowingly expose themselves to dangerous hazards. Electrical safety awareness training helps employees understand how electricity behaves, how injuries occur, and how to recognize warning signs before a dangerous situation develops.

Preparing Teams for Electrical Hazard Prevention

A structured electrical safety awareness program helps workers and supervisors recognize hazardous conditions and follow safe procedures around energized equipment. Training improves hazard recognition and ensures employees understand how to avoid unsafe contact with electrical systems. Proper training helps reduce electrical injuries and improve workplace safety.

Supporting Safety Compliance

Electrical safety training supports compliance with important workplace safety regulations. Employers must ensure workers who operate near electrical systems understand hazard awareness and safe work practices as required under OSHA electrical standards.





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Contact us to learn more about course availability, group training, and customized fall rescue instruction.

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