



# ESCO SAFETY SERVICES

## SAFETY IS OUR CONCERN

Empowering people.  
Exceptional services.  
Delivering on promises.



## Safety is Our Concern

ESCO's mission, when it comes to safety, is to educate people in the electrical industry about workplace hazards, and how to avoid injury or death. Through an extensive training course which teaches the standards set forth by NFPA 70E, an assessment of safety practices in the workplace, a personalized electrical safety program, arc flash hazard analysis, or IR services, we give our clients information that can make the difference between life and death.

### Let's help you sleep at night by staying compliant

When you work with ESCO, you are working with a company that forms strong relationships with our clients which gives us in-depth knowledge of your systems, what your needs are, and how your process operates. It's a partnership approach, meaning we partner with our clients and become an integral part of their team.

Staying compliant with OSHA and NFPA 70E standards is an important accomplishment for every company. ESCO Group will help you educate and inform your employees of the inherent hazards onsite, and we will engineer solutions to bring your risk down. Compliance means continually informing your people in:

- OSHA 29 Code of Federal Regulations (CFR)
- Part 1910 Subpart S 1910.335(a)(1)(i)
- Part 1910 Subpart I 1910.132(d)(1)
- NFPA 70 (NEC)



### What is Arc Flash?

Arc Flash is often described as a short circuit through the air. It is a very hazardous situation associated with an explosive discharge of energy caused by an electric arc. Electric arcs can occur due to poor electrical contact or failed insulation. Such situations allow the passage of substantial amounts of current through the vaporized terminal material—usually metal or carbon. The Arc Flash comes from the heat and light produced by the arc.

As many as 80% of all electrical injuries are caused by burns resulting from exposure to energy released from an arcing fault- an arc flash. These injuries can be fatal. Protecting your employees is imperative to your company and its most valuable assets — your people.

### Arc Flash Incident Energy Analysis

To determine the potential arc flash associated with exposed energized circuits, an Arc Flash Incident Energy Analysis is required. To perform an analysis we complete the following:

- Short Circuit/Fault Current Studies and Calculations
- Protective Device Coordination Studies
- Arc Flash Incident Energy Analysis and Calculations
- Arc Flash Incident Energy Analysis Report
- Arc Flash Signage Implementation

#### Information Contact:

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## Field Team

Our field team will perform the arc flash label installation and the arc flash data collection.

Other services we provide are:

- Data Collection
- Infrared Field Work
- Infrared Programs
- Plant Electrical and Safety Assessments
- Electrical Testing Support
- Facility Maintenance Planning
- Grounding Studies for Electrical Equipment

Information Contact:

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## Electrical Safety Training

ESCO Safety provides a cost-effective approach to all of your safety training and program development needs. Jason Wolf, our lead safety trainer, is a current principal member of the NFPA 70E Electrical Safety in the Workplace Committee, NECA's Codes and Standards Committee, and the IEEE Electrical Safety Committee. His experience leave us on top with expert knowledge to educate our clients on how to stay safe at work.

Our safety team provides:

- Electrical Safety Training — onsite or at ESCO's headquarters, tailored to our client's needs and best practices
- Written Program Development — new or updated programs
- Comprehensive Facility and Jobsite Assessments
- Lockout/Tagout Specific Procedures
- Client Compliance with OSHA and NFPA 70E Industry Standards

Information Contact:

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## Our Safety Record

At ESCO, we recognize the importance of training our own employees in the practice of safety at the workplace. With our OSHA Recordable Incident Rate ("RIR") at 0.0, our OSHA Lost Time Accident Rate ("LTA") at 0.0, and our Experience Modification Rate ("EMR") at 0.71, we continue to be well below the national average for work-related injuries, which is where we intend to stay.

We hold regular meetings to discuss safety practices, and our safety directors make several onsite visits to help our employees recognize dangers. We strive to continue educating

our people in safety to keep them protected from the risk that is inherently present. Keeping our employees safe protects our most valued asset—our people—and allows us to perform efficiently for our clients.

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## ESCO's Subject Matter Experts



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