

## Electrical Safety Skills Workshop with Touring Lab

The Electrical Safety Skills Workshop combines industry expertise with the opportunity for students to participate in electrical activities on actual energized equipment.

The Touring Lab contains a variety of electrical equipment, allowing us to replicate a customer's work environment. It can be delivered and set up anywhere to simulate common electrical tasks. The equipment has been modified so that it is only energized to 24 volts. Also provided are the necessary PPE, tools and documentation to complete electrical tasks.



All that's needed to conduct the Workshop is space and basic electricity. No need to take equipment and facilities off-line or require workers to bring the proper PPE and tools with them.

e-Hazard has developed several *Workshop Plans* to use with the Touring Lab. These serve as a starting point for Workshops tailored to address each customer's needs.

### Workshop Plans

#### Hands-On Skills Assessment

The assessment provides expertise for the evaluation of workers' skills so management can maintain compliance with OSHA and NFPA 70E requirements.

#### Pre-Employment Evaluation

Evaluating candidates for employment on their current skill level helps organizations make informed hiring decisions and understand the scope of training that may be needed to ensure compliance with safety regulations.

#### Troubleshooting Skills Development

This training brings a real-world depth to electrical skills and helps students understand where troubleshooting ends and "working on" begins.

#### PPE and Job Planning Demonstration

Students practice working with PPE and planning tasks using safe work practices, and then follow through on the tasks. Developing these skills into habits is a critical part of keeping workers safe.



### What to Expect

One of our professional team members will conduct the Workshop in small groups. The *Workshop Plan* will determine how many can participate at one time and per day.

#### Get Started

Email or give us a call and let our team get to work for you.

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### Example of Skills Addressed

Here are just a few examples of the skills that can be assessed or developed in our Workshops:

- Job set-up, including boundaries
- Lockout, tagout and verified
- Verification of safe electrical work zone
- Use of insulated tools and PPE
- Use of live-line tools and HV PPE
- Verification of lack of nominal voltage and grounding techniques
- Setting up of EPZ “equipotential work zone”

### Touring Lab Details

#### Available Electrical Equipment

- Motor Control Panel
- Generator Panel with Receptacles
- Motor Control Panel with Variable Frequency Drive (VFD) and Programmable Logic Controller (PLC)
- Rackable Breaker from Switchgear
- Verisafe Absence of Voltage Tester



#### PPE

- Arc flash suit and hood
- Arc-rated clothing
- Dielectric overshoes
- Voltage-rated gloves with leather protectors
- Arc-rated gloves
- Safety glasses
- Hearing protection
- Hard hat
- AR face shield
- AR balaclava

#### Tools

- Insulated tools
- Voltage meter
- Personal protective grounds
- Live-line tool
- LO/TO kit
- Portable GFCI
- Safety cones
- Retractable tape posts
- Barricade tape
- Dielectric rope
- Rescue hook

#### Support Items

- Job planning forms
- Job Safety Analysis (JSA) forms
- Energized Electrical Work Permit (EEWP) forms
- Manufacturer manuals for equipment
- PPE guidelines
- NFPA 70E
- Ugly’s Electrical References