

## Electrical Safety Sim: Low Voltage

### Engage qualified electrical workers with simulation-based safety training.

Etcetera's Electrical Safety Sim: Low Voltage allows trainees to learn and apply electrical safety through a combination of event simulations and interactive lessons. Easy-to-use simulations present and reinforce OSHA and NFPA based electrical safety practices. These virtual environments help trainees prepare for the situations that contribute to shock and arc flash hazards. Structured lessons provide hands on instruction and provide immediate feedback to trainees. Trainees make choices and experience consequences in real-time, and learn by "reliving" the experience with safer choices.

Electrical Safety Sim: Low Voltage incorporates the following standards:

- **NFPA 70E** Standard for Electrical Safety in the Workplace (2009 edition)
- **OSHA 29 CFR 1910** - General Industry Standard
- **IEEE Std™ 1584-2002** - Guide for Performing Arc-Flash Hazard Calculations

### Why simulation-based safety training is more effective:

Simulation and game-based training follow proven rules of successful and motivating instructional design.



- A **highly-relevant, risk-free and engaging** environment that relates to the trainee's real world
- **Self-directed** to enable working at one's own pace – repeating lessons where they need to
- **Immediate feedback** and visible, personal accomplishment
- **Gradual increase in complexity** to continually challenge without frustrating; an iterative approach enabling trainees to gain confidence and satisfaction as they advance

The ability to play out choice and consequence in a risk-free environment makes simulation-based safety training a highly-effective, real alternative to standard training methods. In addition – it will breathe new life into your electrical safety training program.



### NFPA and OSHA-based lessons for qualified workers include:



1. Shock Incidents (Simulator)
2. Arc Flash Incidents (Simulator)
3. Definition of Qualified Person and Job Briefing
4. Identifying Nominal Voltage
5. Approach Boundaries
6. Hazard Risk Categories
7. Personal Protective Equipment and Tools
8. De-energizing equipment and Lock Out / Tag Out

Additionally, Electrical Safety Sim: Low Voltage includes **task-based scenarios** that allow trainees to apply their electrical safety knowledge by performing real life tasks in virtual environments. Upon completing the task, the trainee is shown what hazards were created by their unsafe practices. Performance scores and completion status are recorded on Etcetera's secure website for review by supervisors.

Virtual workplace equipment includes main distribution panels, transformers, lower voltage panels, switches and sample manufacturing equipment.



Download the Electrical Safety Sim at [www.ElectricalSafetySim.com](http://www.ElectricalSafetySim.com)

Please visit [www.EtcEdu.com](http://www.EtcEdu.com) to check for updates and to learn more about the most innovative and interactive training technology available from Etcetera Edutainment.