

TROUBLESHOOTING ELECTRICAL CIRCUITS

SIMULATION

Troubleshooting Electrical Circuits (TEC) is our foundational electrical troubleshooting simulation. Your professionals will learn to diagnose and repair a variety of faults in a simulated electrical circuit consisting of wiring, lights, relays, switches and pushbuttons.

TEC provides a rich 3D environment where professionals will learn and practice the skills crucial for troubleshooting in industrial settings such as manufacturing production lines, petrochemical facilities, utilities and mining sectors.

THE SIMULATION FEATURES

Realistic lighting circuit scenario

Elements typically found in electrical circuits

Detailed **3D environment**

A **variety of faults** for your professionals to explore and solve

Adaptive learning that assesses users' skill levels and customizes the program to the individual's performance

Conformance to **NEMA standards**

North American and **International** versions





Lockout/tagout

Your professionals' personal safety—and even their lives—depend on this basic but critical task, so it is included as one of many activities in the simulation. They'll practice it often so that this essential safety skill will soon be automatic.



Exploring the multimeter

The multimeter is the electrical diagnostician's best friend! Your maintenance professionals will get a thorough grounding in taking voltage, resistance, and current measurements with this vital tool.



Replace only when necessary

Replacing electrical components can be costly. Your maintenance professionals will learn how to identify a faulty component, replacing only when necessary.



Work with wires

Wires are a critical, but often overlooked part of the electrical circuit. Loose, shorted or broken wires can bring a huge production line to a grinding halt. Your professionals will learn to safely identify and repair faulty wiring issues.