

TROUBLESHOOTING MOTOR CIRCUITS

SIMULATION

Troubleshooting Motor Circuits (TMC) is Simutech Multimedia's third troubleshooting simulation. This simulation explores an industrial garage door circuit. Your professionals will learn to diagnose and repair faults, honing their skill at troubleshooting motor circuits. This simulation will teach your professionals about motor behavior, control circuits, and protective components, as well as techniques for troubleshooting these circuits. TMC is an excellent tool for users working in industrial settings such as manufacturing production lines, the petrochemical industry, utilities and mining sectors.

THE SIMULATION FEATURES

Realistic industrial garage door and control circuit scenario

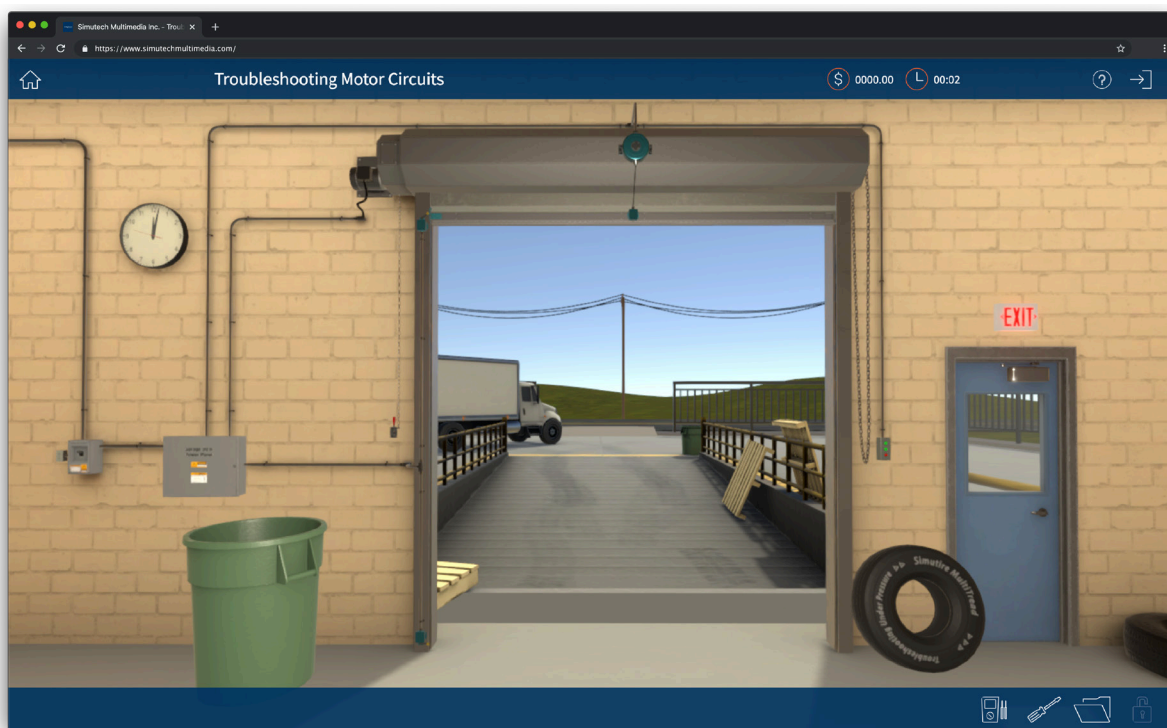
Includes a variety of components: a three-phase motor, a transformer, contactors, overloads, fuses, circuit breakers, limit switches, safety switches and pushbuttons.

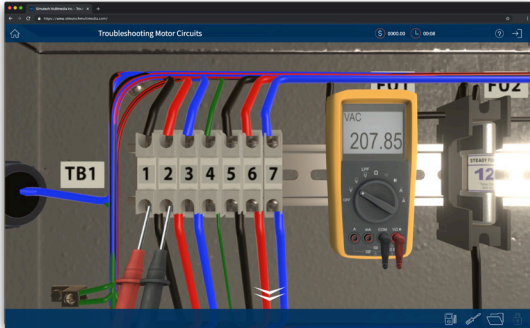
Measurement of motor phase currents and winding resistances.

Detailed 3D environment

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

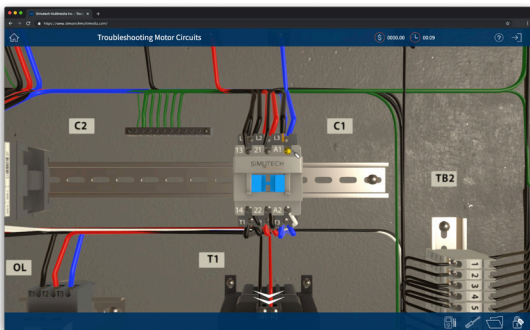
Conformance to **NEMA standards**





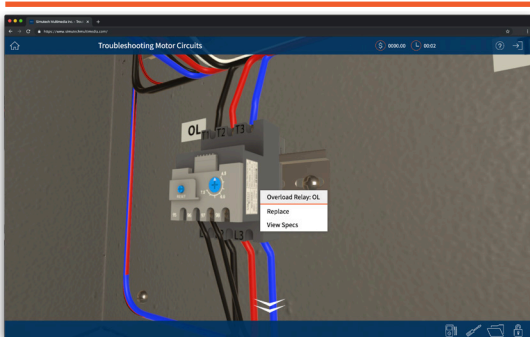
Measuring workout

Your professionals will continue learning to use the multimeter, now based on an industrial garage door. They will measure motor phase currents, winding resistances as well as taking voltage readings.



Work with wires

Locating wiring problems is a key activity that helps to diagnose faults. In this simulation, your professionals will be able to locate and replace loose, broken and shorted wires.



Replace or repair

Your maintenance professionals will work to identify defective components and determine whether they can be repaired or must be placed.