



Electrical Troubleshooting Webinar Description

Electrical systems are the backbone of water and wastewater treatment operations, powering critical equipment such as pumps, blowers, and control systems. When electrical problems occur, they can quickly lead to process upsets, permit violations, or costly downtime.

This course provides a practical approach to troubleshooting electrical equipment and systems commonly found in treatment facilities. Participants will learn how electrical systems work, how to safely test and diagnose problems, and how to identify the root causes of common electrical failures.

The training covers essential tools such as multimeters, ammeters, megohmmeters, and thermal imaging devices, along with step-by-step troubleshooting techniques for motors, power systems, and control circuits. Special attention is given to power quality issues, motor performance problems, and Variable Frequency Drive (VFD) diagnostics.

Participants will also learn how to read electrical diagrams, evaluate system performance, and maintain backup power systems to ensure operational reliability. The course emphasizes practical skills that can be immediately applied in the field to improve efficiency and reduce downtime.