

Empower your team at the Maintenance Training Lab



Gain ownership of your equipment with our Maintenance Training Lab hosted at one of our facilities. Unlock greater uptime and consistency, fewer delays, and more efficient operations with targeted training.

Program Purpose

Key objectives

- Read and interpret electrical and pneumatic drawings
- Identify key components
- Understand and troubleshoot systems

Training without downtime

- Training takes place at a Premier Tech facility
- Access state-of-the-art equipment and resources
- Receive dedicated support from expert trainers throughout the program

Improve content retention

- Boost job satisfaction and retention rates
- Build a skilled, efficient, and committed team
- Maintain top performance standards

Program Summary



Location

At a Premier Tech facility



Participants

Up to four maintenance team members from one or different plants



Duration

8 hours of online instructor-led training, 3 to 4 days at the lab



Included material

Workbook

Program Agenda



The Maintenance Training Lab lasts between 4 and 5 days, including one day of remote training before your visit. You can expect 3 to 4 days of on-site training in a laboratory learning environment located in one of our facilities (the training day dedicated to robotics is optional).

Online Modules

These online modules must be completed a few days before starting the Training in the lab. The course is designed to be taken in four sessions of two hours:

1. Understand electrical concepts and components
2. Read electrical drawings
3. Understand pneumatic concepts and components
4. Read pneumatic drawings

Program Agenda

Day 1: Electric

Participants will read electrical drawings, identify and troubleshoot electrical components, and understand motor nameplates for protection adjustments. The key areas covered on day 1 include:

- Understand electrical circuits
- Work with AC Motors and VFD
- Work with Conveylinx and DC Motors

Day 2: Pneumatic and Mechanic

Learners will read pneumatic drawings and identify various pneumatic components and their functions. Troubleshooting pneumatic components is a key skill covered, along with understanding the vacuum principle. Key areas covered on day 2 include:

- Work with pneumatic circuits
- Troubleshoot pneumatic components
- Make mechanical adjustments

Day 3: Robotic (optional)

This one-day module is optional if you do not operate robotic equipment at your plant.

Attendees will identify the main components of a robot and define robot location and axes. Skills include operating the robot manually and robot remastering. This day is dedicated to hands-on robotic workshops covering:

- Configure IP addresses
- Differentiate robot I/O
- Make backups
- Troubleshoot common robot problems
- Create patterns using Pattern Expert

Day 4: Automation

Participants will focus on automation workshops.

- Identify different components of an automation system
- Troubleshoot using the IO display on the HMI
- Identify network modules
- Assign IP addresses for network modules