



# Medium Voltage Drives Troubleshooting Training for Service Centers

3 Day Online and 2 Day In-Person Hands-on Courses

## **SCOPE**

To provide training and authorization for potential Automation Service Centers.

## **PREREQUISITES**

Basic knowledge of electrical principles, power electronics, and control circuits. The basic ability to use multimeters, amp clamps, oscilloscopes, and computers.

**A completed and approved WEG SERVICE CENTER CANDIDATE REGISTRATION FORM AND WEG LOW VOLTAGE PRODUCTS SERVICE PARTNER TRAINING**

## **COURSE OBJECTIVES**

Upon completion of this course, students will be able to:

- Control and operate the WEG MV family of drives
- Understand and navigate the programming hierarchy
- Install and use WEG WPS and WLP
- Identify and troubleshoot faults
- Identify and replace defective hardware
- Perform Preventive Maintenance

## **WHAT YOU NEED TO BRING:**

- Notebook PC with administrator privileges enabling software installation

## **TOPICS**

- Rules, guidelines, and processes to perform service on WEG automation products
- Overview of WEG MV Drives
- Drives (MVW01 and MVW3000 focused)
- Product Features
- Power and motor terminations
- Control board description with explanation of I/O
- HMI Navigation
- Basic parameters
- Read-only parameters
- Fault descriptions and troubleshooting
- Component description/identification and troubleshooting
- Pump system for water Cooled Drives
- Firmware update process
- MVW-01 and MVW3000 Preventive Maintenance Check List
- Trace, Flying Start and Ride-through Functions
- Board Calibrations