



Low Voltage Drives and Soft Starter Start-Up and Troubleshooting Training for Service Centers

4 - Day Course

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**.

COURSE OBJECTIVES

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

- Control and operate the WEG family of drives and soft starters
- Understand and navigate the programming hierarchy
- Perform oriented start-ups
- Install and use WEG WPS, WLP, and Superdrive G2 software
- Load basic basic shell program for simplex and multiplex Pump Genius program
- Run the CFW11 and CFW500 Pump Genius Wizard for Simplex and Multiplex systems
- Identify and troubleshoot faults
- Identify and replace defective hardware
- Perform authorized start-up for WEG Low Voltage Drives and Low and Medium Voltage Soft Starters.

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 drives and soft-starters
- Overview of WEG automation panels
- Drives (CFW11 focused)
- Soft-starters (SSW900 and SSW07 focused)
- Product Features
- Power and motor terminations
- Control board description with explanation of I/O
- HMI Navigation
- Oriented start-up
- Basic parameters
- Read-only parameters
- PID control (CFW11)
- Fault descriptions and troubleshooting
- Component description / identification and troubleshooting
- Overview of WEG WPS, WLP, and Superdrive G2 programs
- Overview of the CFW11 and CFW500 Simplex System
- Overview of the CFW11 and CFW500 Multiplex System
- Programming of the Pump Genius Programming Wizard for CFW11 Multiplex 3-pump system
- Firmware update process
- Soft Starter and VFD Start-up Check List