



# LV Drives and LV and MV SS Service Center Training

## 5-Day Course

### **SCOPE**

Train professionals to commission, troubleshoot and repair the WEG LV drives, Soft Starts and Panels and MV Soft Starters. Participants who successfully complete the course will be authorized to start-up WEG Low Voltage Drives and Medium Voltage Soft Starters

### **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 programming heirarchy
- Perform oriented start-ups
- Install and use WEG WPS and WLP software
- Load basic shell program for Simplex and Multiplex Pump Genius program
- Identify and troubleshoot faults
- Identify and replace defective hardware
- Perform 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 (CFW-11 and CFW900 focused)  
LV Soft-starters (SSW-900 and SSW-07 focused)  
MV Soft-starters (SSW7000)
  - 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 (CFW-11)
  - Fault descriptions and troubleshooting
  - Component description /identification and troubleshooting
  - Overview of WEG WPS and WLP programs
  - Overview of the CFW11 and CFW500 Simplex and Multiplex Pump Genius Systems
  - Programming Pump Genius Wizard for CFW11 3-pump Multiplex system
  - Firmware update process
  - Soft Starter and VFD Start-up checklist