ACS580MV Operation & Maintenance

Course goal

The goal of this course is to learn the operation and maintenance aspects of ACS580MV frequency converters.

Main learning objectives

The participants will be able to:

- Identify the hardware components and the installation principles
- Describe the features and advantages of the ACS580MV drive
- Start-up, operate, maintain, and troubleshoot a drive
- Adjust and tune the drive by using the available programming tools

Topics

- Generalities
  - AC motor and DTC control
- Hardware description (power electronics & control)
  - Component and PCB functions
  - Hardware schematics and electrical drawings
- Operation
  - Energize / de-energize, start-stop sequence
  - Local operation with drive control panel and
  - Drive Composer Pro
  - Remote control
- Software introduction
  - Software structure, parameter's description
  - Application configuration, parameter settings
- Fault tracing, troubleshooting And Preventive Maintenance
  - Alarm and fault indications
  - Preventive Maintenance
  - Using Drive Composer SW tool for configuration and troubleshooting