ACS800 Single Drive Operation & Maintenance

Course goal

The goal of this course is to learn the operation and maintenance aspects of ACS800 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 ACS800 drive
- Start-up, operate, maintain, and troubleshoot a drive
- Adjust and tune the drive by using the available programming tools

Topics

- Control and operation principles of AC drives
- Direct torque control (DTC) principle
- Hardware and software overview
- Component and board functions
- Locating and identifying electronic boards and terminals
- Options and optional equipment overview
- Installation principles and initial inverter start-up
- Control panel functions
- Application software - Parameter settings - Application macros
- Commissioning, operation, and fine tuning
- Fault tracing and troubleshooting
- Drive maintenance
- Drive window for commissioning
- Drive AP for adaptive programming