COURSE DESCRIPTION

G163
ACS800 Liquid Cooled Drives, Startup, Maintenance and Service Hands-on

Course Type and Description
The ACS800 liquid-cooled drives learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: classroom course with hands-on lab activities supported by an instructor. The course contains hands-on exercises and fault tracing with ACS800 liquid-cooled units.

The first part of the learning event includes the theory based e-learning courses mentioned below. Please note that the e-learning course material is not covered during the classroom course. You are required to complete the e-learning part before the classroom part, which is essential in order to be able to succeed in the hands-on lab activities during classroom days. The status of e-learning course completion is monitored.

Please see the accompanying figure of possible learning paths.

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

- Commission ACS800 liquid-cooled drives
- Trace and correct faults
- Operate and maintain ACS800 liquid-cooled drives

Main Topics
- Construction of drive-, supply and cooling units
- Cooling methods of drive- and supply units
- Functionality of the cooling unit
- Installation of the cooling unit
- Start-up of the cooling unit
- Replacement of the modules

Prerequisites
- Prior to attending this course, students should have
  - Basic knowledge of electronics
  - Experience in using PCs in the Windows environment
  - Course G163e or G163A

One of the following courses:
- Course G161
- Course G160
- Course G152
- Course G156

Course Duration
The course duration is 1 day.

Student Profile
This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800 liquid-cooled drives.

Course Goal
The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair ACS800 liquid-cooled supply, inverter and cooling units.
Program
09:00 Course Information
09:15 Exercises
10:00 Break
10:15 Exercises
12:00 Lunch
13:00 Exercises
14:00 Break
14:15 Questions & Feedback
15:30 End of the Course