COURSE DESCRIPTION

G1641
ACS800-77LC, Startup and Maintenance Hands-on

Course Type and Description
The ACS800-77LC learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event: This is a classroom course with hands-on lab activities supported by an instructor. The course contains hands-on exercises with ACS800-77 Liquid cooled Wind Turbine Drive unit.

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 and tune ACS800-77LC drives
- Use the fault tracing methods
- Replace the faulty parts and units
- Operate and maintain ACS800-77LC drives

Main Topics
- Reading and interpreting circuit diagrams
- Ethernet adapter communication
- Locating and identifying terminals, boards and other components
- Converter commissioning
- Changing the setting
- Maintenance
- DriveWindow commissioning and maintenance

Prerequisites
Prior to attending this course, students should have
Basic knowledge of electronics
Experience in using PCs in the Windows environment
G164e web course

Course Duration
The course duration is 1 day.

Student Profile
This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800-77LC Wind Turbine drives.

Course Goal
The goal of this course is to teach students to start-up, adjust, operate and maintain ACS800-77LC Wind Turbine drives.
Program

09:00  Introduction of the Course
09:15  DriveWindow Exercises
10:15  Break
10:30  DriveWindow Exercises Continue
11:30  Inverter Unit and Module Exercises
12:00  Lunch
12:45  Inverter Unit and Module Exercises Continue
14:00  Break
14:15  Commissioning
15:00  Ethernet Adapter Exercise
16:00  End of the Day