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 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.

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

Progam

09:00	Introduction of the Course
09:15	DriveWindow Exercises
10:15	Break
10:30	DriveWiindow 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

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