COURSE DESCRIPTION

G164

ACS800-77LC, Operation and Maintenance

Course Type and Description
This is a classroom course with hands-on lab activities supported by an instructor.

The course contains theoretical presentations and hands-on exercises with ACS800-77 Liquid cooled Wind Turbine Drive unit.

Course Duration
The course duration is 2 days.

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, maintain, troubleshoot and repair 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
- Installation procedure
- Ethernet adapter communication
- Locating and identifying terminals, boards and other components
- Converter commissioning
- Changing the setting
- Fault indications and 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
Day 1

09:00  Introduction to the Course
09:15  System Presentation
10:15  Break
10:30  Installation
11:00  DriveWindow Tool
11:30  DriveWindow Exercises
12:00  Lunch
13:00  DriveWindow Exercise
14:15  Break
14:30  Commissioning
16:00  End of the Day

Day 2

08:30  Maintenance
09:00  Fault Tracing
10:00  Break
10:15  Repair
11:00  Inverter Unit and Module Exercises
11:45  Lunch
12:30  Inverter Module Exercise
14:00  Break
14:15  Module Installation Back to the Cabinet
15:00  Ethernet Adapter Exercise
16:00  End of the Course