COURSE DESCRIPTION

9CSC009791 ACS880 Drive Application Builder for IEC 61131-3 (G3862), Hands-on

Course Type and Description
This programming learning event comprises of two parts: e-learning courses and classroom course.

This is the second part of the learning event, which is a classroom course with hands-on lab activities supported by an instructor. This course contains hands-on exercises.

The first part of the learning event includes the theory based e-learning courses and hands-on 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.

Course Goal
The goal of this course is to introduce students to ACS880 application programming using Drive Application Builder for IEC 61131-3.

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

– Use Drive Application Builder programming environment
– Do basic programming on ACS880 using CFC, ST and LD languages.
– Do minor changes to existing application projects.
– Do basic debugging on projects.

Main Topics
– Programming environment of ACS880
– Project handling
– Programming on CFC language
– Programming on ST language
– Programming on LD language
– Parameters created by programmer
– Events created by programmer
– Units created by programmer
– Library handling (own libraries)
– Basic debugging

Course Duration
The course duration is 2 days.

Prerequisites
– Basic knowledge of PLC programming
– Basic knowledge of application programming
– Experience in using a Windows PC
– Course G380 and web courses 9CSC009789e Introduction to ACS880 Drive Application Builder for IEC 61131-3 programming and 9CSC009790e Advanced ACS880 Drive Application Builder for IEC 61131-3

Student Profile
This course is intended for electricians, technicians, and engineers who operate, program and service ACS880 drives.
COURSE AGENDA

ACS880 Drive Application Builder for IEC 61131-3, Hands-on

Day 1 program
09:00  Course Information
09:15  Exercises begin
10:00  Break (15min)
10:15  Exercises continues
12:00  Lunch break (45min)
12:45  Exercises continues
14:00  Break (15min)
14:15  Exercises continues
16:00  End of the day

Day 2 program
09:00  Course Information
09:15  Exercises continues
10:00  Break (15min)
10:15  Exercises continues
12:00  Lunch break (45min)
12:45  Exercises continues
14:00  Break (15min)
14:15  Exercises continues
15:45  Finishing up the course
16:00  End of the course