COURSE DESCRIPTION

G386
ACS880 Application programming (IEC61131) hands-on

Description

This course contains hands-on exercises with ACS880 demo units.

This course does not teach IEC programming languages and advanced topics on programming. Learner is expected to know programming on PLCs and on some programming environment beforehand.

This course belongs to a learning path that may utilize blended learning.

Course Duration

The course duration is 2 days

Course type

This is a classroom course with hands-on lab activities supported by an instructor. Prerequisite courses needs to be studied before attending to this course.

Course Goal

The goal of this course is to introduce students to ACS880 application programming using Automation Builder programming tool.

Student Profile

This course is intended for electricians, technicians, designers and engineers, who operate, program and service ACS880 drives.

Prerequisites

- Basic knowledge of PLC programming
- Basic knowledge of application programming
- Experience in using a Windows PC
- Course G380 and web courses G376e, G3860e and G3861e

Course Objectives

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

- Use Automation 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

AGENDA

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Day 1

09:00	Course Information
09:15	Exercises begin
10:00	Break
10:15	Exercises continues
12:00	Lunch break
12:45	Exercises continues
14:00	Break
14:15	Exercises continues
16:00	End of the day

Day 2

09:00	Course Information
09:15	Exercises continues
10:00	Break
10:15	Exercises continues
12:00	Lunch break
12:45	Exercises continues
14:00	Break
14:15	Exercises continues
15:45	Finishing up the course
16:00	End of the course

The course program times may be changed by instructor.