

## 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.

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## 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

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**Street address**

ABB Oy  
Training Center  
Strömbergintie 1 Aa  
00380 Helsinki, Finland

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**Mailing address**

ABB Oy  
Training Center  
P.O. Box 116  
00381 Helsinki, Finland

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**Low voltage drives training**

ABB University Finland, Helsinki Training  
Center  
helsinki.abbuniversity@fi.abb.com  
[www.abb.com/abbuniversity](http://www.abb.com/abbuniversity)