Course Duration

The course duration is 3 Days

Course Type

This is a classroom course led by an instructor.

Course Goal

The goal of this course is to teach students the basics of DCS800 Control builder.

Student profile

This course is intended for electricians, technicians and engineers who install, operate, commission and service CoDeSys applications

Prerequisites

Prior to attending this course, students should have

- Basic knowledge of electronics
- Basic knowledge of DC Fundamentals
- Experience in using PCs in the Windows environment
- Course G560e web course completed.
- Course G560 class room training completed
- Course G561 class room training completed

Course Objectives

Upon completion of the course, students will be able to

- know for which purposes the CoDeSys can be used
- know the approach to create own applications
- download and test a CoDeSys program in the DCS800

Main Topics

- Introduction to the standard IEC 61131-3 Data declaration, programming rules
- CoDeSys Basics
- Features and limits
- CoDeSys Installation
- Programming languages acc. IEC 61131-3
- Configuration of I/O's
- Predefined software blocks; internal and external libraries, DCS800 Library
- Standard data type
- Implementation of CoDeSys program in DCS800
- Practical test of the program

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