
Simatic PCS neo System Training - Basic (NEO-BASIC) (NEO-BASIC)

Objectives

With the help of descriptive course documentation and in combination with accompanying e-learning offers, you will become familiar with the system concept and the general system structure of SIMATIC PCS neo. You will configure the automation hardware including the distributed I/O with digital and analog signals in PCS neo and test the function in a real training device. In so doing, you will become familiar with the functionality for processing digital and analog signals in PCS neo. In addition, you will configure an imaginary model system step-by-step and commission it virtually. You will learn how to handle the PCS neo engineering tools including SIMIT and the virtual controller on the basis of examples and practical exercises. After completing the training, you will be able to create, operate and test a simple yet technically correct and functional SIMATIC PCS neo project.

Target Group

Project managers, project team members
Technologists
Configuration engineers, programmers
Commissioning engineers

Content

Basics: System overview, new concepts, installation, certificates
Hardware engineering with AS CPU 410-5H, distributed I/O and PROFINET, engineering station
The first process object: Engineering in CFC with blocks, display in the Monitoring & Control view with block icons and faceplates, downloading the program
Basic automation: Equipment engineering with equipment hierarchy, process objects of the APL, including spreadsheet engineering with queries and Excel
Use of the virtual controller and SIMIT for integrated testing and virtual commissioning
Use of Control Module templates: Templates and template variants
Configuration of sequencers: Elements, interconnections for basic automation
Visualization in Monitoring & Control: Engineering of process displays
User/rights management: User management, access rights for Engineering and Monitoring & Control views
Multiuser engineering with session model: Synchronizing changes, locking objects and areas

Prerequisites

Knowledge of the basics of process control engineering

Note

The course is run in English language with course material in English.

Type

Face-to-face training

Duration

4.5 days

Language

en