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SIMATIC PCS neo System Training for beginners / SIMATIC PCS neo 基础课程 (A7501)

Objectives

With the help of this course, 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 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. 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, 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

Type

Face-to-face training

Duration

5 days

Language

zh

Fee

6,800 CNY

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