SIEMENS

Online Training - SIMATIC PCS neo System Training for Beginners (NEO-BASIC)

Breve descrizione

In this online course in a virtual classroom you will learn how to implement the diversity of engineering possibilities with the new process control system SIMATIC PCS neo in a structured and efficient way. With the help of descriptive course documentation as a online training you will become familiar with the system concept and the general system structure of SIMATIC PCS neo.

You will project on a cloud-based training environment "PCS neo in the cloud" and test the function with a virtual 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 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.

Obiettivi

After this course you will be able to ...
- operate the "PCS neo" engineering platform safely
- configure the automation hardware including the distributed I/O (analog and digital)
- understand how digital and analog signals are processed in "PCS neo"
- perform the engineering of blocks in CFC and sequencers in SFC
- the handling of equipment engineering and libraries APL (Advanced Process Library)
- set up and create the visualization for monitoring and control in WinCC
- integrate user and rights management into PCS neo
- gain initial experience of commissioning the model plant in a virtual environment ("SIMIT")

Gruppo target

- Project manager, Configuring engineers
- Programmers
- Commissioning engineers
- Technologists

Contenuti del corso

- 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

Included in the course price:
This course includes a 4-week Learning Membership for our digital learning platform SITRAIN access. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics. As an introduction to the digital learning platform, we recommend the following learning path:

Process Control Technology for Beginners

Prerequisiti partecipante

Knowledge of the basics of process control engineering

Nota

The Learning Membership starts 7 days before the start of the course and ends 14 days after the end of the course. During this period, you have access to all of the more than 480 web-based trainings available.

Tipologia

Formazione online

Durata

5 giorni

Lingua

en

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