SIEMENS

PCS7 Process Control System 7 System course (ST-PCS7SYS)

Short Description

In this course you will learn how to implement the diversity of engineering possibilities in a structured and efficient way with SIMATIC PCS 7 process control system. By doing exercises on original SIMATIC PCS 7 training units, you will implement software for the process automation of a plant right up to the HMI level. Features of SIMATIC PCS 7 such as integration of all subsystems, plant-oriented engineering, data management and project management are supplemented by advanced functions that enable efficient and cost-effective engineering. Utilize the benefits of Totally Integrated Automation (TIA) for yourself and learn how to get an integrated view of your plant! Because of this integration you will be able to diagnose faults quickly and correct them with safely. In addition, projects can be created in advance in such a way that you can work with multiple application. This enables time-optimized and cost-effective engineering.

Objectives

After attending the course, you can do the following:
- Create a proper PCS 7 multiproject and configure the hardware of AS and PC stations.
- Create user programs compliant to PCS 7 standards using the most important tools like CFC, SFC and graphical tools of the PCS 7 engineering toolset.
- Bulk engineering using the Import/Export-Assistant

Target Group

Project manager, Configuring engineers
Programmers
Commissioning engineers
Technologists

Content

System design and component specification
Project setup
Station and network configuration
Connection to the process
Basics control functions
Basics Operating and Monitoring
Implementation of Automatic and Manual Mode Control
Sequential Control - SFC
Customizing the OS
Archiving System
Locking functions and operating modes
Mass data engineering
Final steps of configuration
User block – attributes and visualization
Demonstration Server-Client System
Syntax Rules
PCS 7 Documentation and Support

Prerequisites

Basic knowledge of electrical engineering, control and feedback control systems and process control engineering

Note

Course documentation : English

As a part of your course booking you will receive free trial access to the digital learning platform: => Access to SITRAIN access
You have access to over 200 web-based training courses 7 days before the start of the course. The test period ends automatically 7 days after the end of the course.

We recommend that you complete the following learning path in preparation for your booked face-to-face course:
=> Access to the curriculum "Process Control Technology for Beginners"

Type

Online-Training

Duration

10 days

Language

de, en, fr, nl