SIEMENS

"Online Training" PCS7 Process Control System Course (ST-PCS7SYS)

Short Description

This course is for PCS7 project managers, configuration engineers, programmers, commissioning personnel, and technologists who wish to learn how to implement the diversity of engineering possibilities in a structured and efficient way with SIMATIC PCS 7 process control system.
Also available as Face-To-Face Training

Objectives

Upon completion of this course, the student shall be able to:-
- 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

Content

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.
Utilise 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 safety. 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.
The course is structured as follows:-
- 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
- Configuration of the control flow in the SFC
- Customising the OS
- Archiving System
- Locking functions and operating modes
- Mass data engineering
- PCS 7 Documentation and Support

Prerequisites

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

Note

Each of the above topic areas are backed up by practical 'hands on' exercises using PCS 7 training workstation.

Type

Online-Training

Duration

10 days

Language

en

Fee

5,600 GBP