

Corso di sistema SIMATIC PCS 7 (ST-PCS7SYS)

Short Description

In this course you will learn how to implement the diversity of engineering possibilities with SIMATIC PCS 7 process control system in a structured and efficient way. 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 with SIMATIC PCS 7. 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 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.

Objectives

After attending the course, you can:

- Create a proper SIMATIC PCS 7 multiproject and configure the hardware of AS and PC stations
- Create user programs compliant to SIMATIC PCS 7 standards using the most important tools like CFC, SFC and graphical tools of the SIMATIC PCS 7 engineering toolset
- Bulk engineering using the Import/Export-Assistant and Control Module Types and their instances using the Technological List Editor

Target Group

Project managers
Project staff
Technologists
Configuring engineers
Commissioning engineers

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
- Configuration of sequential controls with SFC
- Customizing the OS
- Archiving System
- Locking functions and operating modes
- Digitalization in process industries
- Final steps of configuration
- User block – attributes and visualization
- Demonstration Server-Client System
- Syntax Rules
- SIMATIC PCS 7 Documentation and Support

Prerequisites

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

Type

Face-to-face training

Duration

10 days

Language

it