

## Corso di sistema compatto SIMATIC PCS 7 (ST-PCS7C)

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### Short Description

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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

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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

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Project managers  
Project staff  
Technologists  
Configuring engineers  
Commissioning engineers

### Content

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- Package description
- SIMATIC PCS 7 hardware components
- Project and multi-project management
- Hardware configurations and architectures
- Plant Hierarchy
- CFC language: standard libraries and blocks, compilation and testing, execution sequences
- SFC language: flow control structures, links to CFC, compilation and testing
- SCL language: creation of custom blocks, compilation and testing
- Use of SIMATIC WinCC as OS of SIMATIC PCS 7

### Prerequisites

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

### Note

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The topics of the course are dealt with at a fast pace; for more information we recommend the PCS7SYS course.

### Type

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Face-to-face training

### Duration

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5 days

### Language

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