

## Online training: PCS7 System course (ST-PCS7SYS)

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### Objectives

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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 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.

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

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Project manager, Configuring engineers  
Programmers  
Commissioning engineers  
Technologists

### Content

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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

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

### Note

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Course documentation : English  
Trainer : Dutch

### Type

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Online-Training

### Duration

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10 days

### Language

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en