

## SIMATIC PCS 7 Service 1 (ST-PCS7SR1)

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### Présentation

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In this face-to-face course you will learn how to handle a process control system as a technical service personnel, and their main focus on the care, maintenance, and repair of existing systems with SIMATIC PCS 7. The focus is on the tasks of a maintenance technician, such as the replacement of individual components, as well as the handling and compilation of diagnostic data from the various system areas of a process control system.

Through practical exercises in a training environment, where you work as in reality in operational situations, you will immediately put your newly acquired theoretical knowledge into practice and deepen it.

After attending the course, you will be able to quickly obtain comprehensive diagnostic data from a running SIMATIC PCS 7 system and carry out simple maintenance work without STOP the system. This enables a reduction in downtimes and increases the efficiency of your automation system.

### Objectifs

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After attending the course you will be able to...

- understand the key fundamentals of SIMATIC PCS 7.
- operate the Simatic Manager and work with a multi-project environment.
- navigation in the visualization environment on the operator station.
- analyze the program in graphical design tools such as CFC and SFC in online mode.
- efficiently utilize the provided alarm and message system for fault analysis, troubleshooting, and subsequently perform further analysis in the lower-level layers.
- network analysis of terminal-, plant- and fieldbus (Profibus and PROFINET).
- perform on-site fault analysis on the device and carry out the corresponding troubleshooting.

### Groupes cibles

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- Maintenance technicians
- Service personnel

### Programme / Contenu

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- Project-specific settings
- Overview of process control systems
- Fault analysis
- Software analysis
- Hardware diagnostics
- Network analysis
- On-device error analysis
- Troubleshooting

Included in the course price:

This course includes a 4-week Learning Membership for our digital learning platform [SITRAIN access](#). With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics. As an introduction to the digital learning platform, we recommend the following learning path:

[Process Control Technology for Beginners](#)

The Learning Membership starts 7 days before the start of the course and ends 14 days after the end of the course. During this period, you have access to all of the more than 480 web-based trainings available.

### Prérequis

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

### Type

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Formation en salle

### Durée

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5 Jours

**Langue**

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de, en