

Simatic PCS 7 system grund intensiv (ST-PCS7SY1)

Objectives

During 4.5 intensive days, this training provides an overview of the process system Simatic PCS 7. It is mainly theoretical overviews with shorter practical exercises. Participants learn basic programming for Simatic PCS 7. With exercises and examples, you learn how to automate a process plant. With all parts of the Simatic system from decentralized periphery with Profibus to PCS 7's automation system, AS, PCS 7's special function library, PCS 7's HMI system, OS, for monitoring, operator stations via Ethernet and up to coordinating systems.

As a part of this training, you will receive free trial to the digital learning platform SITRAIN access. This gives you access to many web-based training courses 7 days before the start of the course and the test period ends automatically 14 days after the end of the course. [More information about SITRAIN access](#)

On SITRAIN access you will find, for example, basic knowledge of process control technology, PROFIBUS in process automation, PROFINET or data communication with Industrial Ethernet. But also further topics such as an overview of digitization in process automation or an introduction to SIMIT and the Virtual Controller.

As an introduction to the digital learning platform, we recommend the following curriculum: [Process Control Technology for Beginners](#)

Target Group

The training is aimed at experienced project engineers and programmers to manage the process automation system Simatic PCS 7.

Content

Presentation of the Simatic PCS 7 process system
Simatic Manager and other tools for construction, programming, diagnostics and troubleshooting
Project planning concept for Simatic PCS 7
Hardware configuration, construction of automation, I/O, communication and operator systems
Project structuring with technological hierarchy
Programming in Continuous Function Chart (CFC)
Sequential Programming in Sequential Function Chart (SFC)
Use of Structured Control Language (SCL)
Construction, image construction and programming of an operator station with Simatic WinCC

Prerequisites

We only recommend this training if you have extensive experience with process automation and process systems and experience from other DCS systems. Otherwise we recommend the training Simatic PCS7 grund standard (ST-PCS7SYS) that is less intense and will give you more time for practical exercises, etc.

Note

The training is conducted with material in English. Practical applications are carried out on Simatic S7-400 and the current version of Simatic PCS 7. For those who want more space for exercises or do not have much experience in process automation, we recommend the longer training Simatic PCS7 system basic standard (9 days) and the PCS 7 service course (4.5 days) is recommended for those who will primarily maintain and troubleshoot completed installations.

Type

Face-to-face training

Duration

4.5 days

Language

sv

Fee

32,300 SEK