

## SIMIT in Process Automation (ST-PCS7SIM)

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### Short Description

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This course provides you with a summary of the functions and libraries of the simulation software SIMIT in the field of process automation.

[Also available as online-training](#)

### Objectives

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By practical exercises you will learn about the design of simulations / simulation models for testing the PCS 7 automation software. The perfect interplay of all components integrated in SIMIT enables you to enhance productivity in the highest quality permanently and to establish new products on the market considerably faster.

On completion of the course, you are able to:

- create own components and templates
- to use the available features for efficient engineering in SIMIT
- to establish couplings between the simulation in SIMIT and automation systems in PCS 7, which are emulated by PLCSIM or the Virtual Controller.

### Target Group

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Decision makers, sales personnel  
Project manager, project staff  
configuring engineers, programmer

### Content

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Interfaces to controllers or other applications  
Introduction of the 3 simulation levels and their function  
Creation of templates and efficient engineering by import functions  
Working with libraries provided by SIMIT  
Creation of own components using the Component Type Editor  
Insight into the message system and the Automation Control Interface of SIMIT  
Creation of small simulation projects  
Configuration of a distributed simulation using the Virtual Controller

### Prerequisites

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Attendance of training course ST-PCS7SYS recommended  
Basic knowledge of process control engineering  
Practical experience in SIMATIC PCS 7 project engineering.  
Basic knowledge of APL, as provided in the System course or in the APL-Workshop

### Type

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Face-to-face training

### Duration

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3 days

### Language

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