

## SIMIT in Process Automation (ST-PCS7SIM) (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.

### 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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en

### Fee

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10,046 ZAR