

## SIMIT in Process Automation (ST-PCS7SIM)

### 简要介绍

In this face-to-face course you will get to know the software by using the simulation software SIMIT and get an overview of the functions and libraries in the process automation environment.

### 培训目的

By doing exercises on original SIMATIC PCS 7 training devices and practical examples, you will learn step by step how to design simulations / models for testing PCS 7 automation software. The perfect interaction of all components integrated in SIMIT enables you to produce more in the highest quality over the long term and to establish new products on the market much more quickly.

On completion of the course you are able to:

- create your own components and templates
- to use the possibilities of effective engineering in SIMIT
- to establish couplings between the simulation in SIMIT and PCS 7 automation systems that are emulated with PLCSIM or a virtual controller.

### 培训对象

Project manager, Configuring engineers  
Programmers  
Commissioning engineers  
Technologists

### 课程内容

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

### 必备条件

Basic knowledge of electrical engineering, open-loop and closed-loop control as well as process control technology.  
Attendance of training course "PCS 7 System course" (ST-PCS7SYS) recommended  
Practical experience in SIMATIC PCS 7 project engineering.  
Basic knowledge of APL, as provided in the PCS 7 System course (ST-PCS7SYS)

### 注意事项

Course language is English.

### 课程类型

标准课程

### 培训天数

3 天

### 培训语言

en

### 培训费用

25,400 SEK