SIEMENS

PCS7 Advanced AS Engineering V8.0 (ST-PCS7ASE)

Short Description

As SIMATIC PCS 7 Engineer you will learn in this course the potential of the SIMATIC PCS 7-process control software with focus on AS-Engineering. As important topics for advanced PCS 7 Engineers the Advanced Process Library (APL), the configuration of SFC-Types, as well as principles and methods supporting an efficient AS-Engineering are in the center of the course. By practical exercises at training equipment you will put your newly acquired theoretical knowledge into the practice. Through this you increase your learning success. On completion of the course, you are able to engineer a process automation optimally and efficiently.

Target Group

Commissioning engineers, configuring engineers
Service personnel
Maintenance personnel

Content

System designMemory concept and system architecture

PCS 7 Project handlingMultiproject engineering and Multiuser engineering
Version Trail and Version Cross Manager
Access protection and Block encryption
License management

Mass data engineering using the Advanced Engineering SystemNew type concept
Edit mass data in AdvES, creation of new control modules in PCS 7
Handling of optional blocks

Hardware configurationIntegration of Profinet
Integration of field devices
Update of the Hardware catalog
High-Precision Time Stamping

Efficient engineeringLibraries in SIMATIC PCS 7 V8.0
Extended User Authorization Concept
Run sequence and behavior when maximum cycle time exceeded

Advanced alarm engineeringGenerating additional messages
Message configuration
Managing messages in SIMATIC Manager

SFC AdvancedOperating State Logic and state changes in SFC
Configuration of SFC-Types

Application of APC LibraryCharacterizing Control Loops
Overview of the APC tools in the PCS 7 Libraries and APC-Examples
PID algorithm
Control Performance Monitoring (CPM)
Controller optimization using the PID Tuner

Prerequisites

Attendance of training course N/F-PCS7SYS recommended
Basic knowledge of process control engineering
Practical experience in PCS 7 project engineering

Type

Face-to-face training

Duration

5 days

Language

en

Fee

2,890 GBP