SIEMENS

PCS7 System Engineering 2 (SCT-PCSYSE2D)

Global Reference

SIMATIC PCS 7 System Course (ST-PCS7SYS)

Type

Face-to-Face Learning

Duration and Continuing Education Units (CEU)

28 Hours over 4 Days
2.9 CEUs

Target Group

- Engineer

Short Description

This is an advanced process control course for engineers. The goals of this course are to aggressively help the student learn advanced level system configuration and project engineering. This course begins with the project configured in the System Engineering-1 course and elevates the functionality through advanced Engineering Station programming, Operator Station graphics development, and Automation Station hardware integration. Students will use “best practice” project design and management techniques to configure a typical process application. Bulk engineering tools and advanced editing skills are introduced. Custom graphics and library blocks using Structured Control Language (SCL) will be introduced, providing skills to customize a system to meet customer-specific requirements. Advanced level system administrative tasks will be explored, providing an opportunity for a comprehensive experience in engineering, troubleshooting, and system integration.

Objectives

- Perform a typical process system configuration
- Configure a fully functioning PCS7 project
- Perform fast bulk engineering using bulk engineering tools
- Configure custom blocks using SCL
- Configure custom graphics
- Set up user administration for Operator Stations
- Replicate Plant Hierarchy using the model’s tool
- Create and configure alarm and tag archives
- Configure Ethernet communications to exchange data between two Automation systems

Content

- Customizing the OS
- Archiving System
- Locking functions and operating modes
- Mass data engineering
- Final steps of configuration
- User blocks: Attributes and Visualization

- Demonstration Server-Client System
- Syntax Rules

Mandatory Prerequisites

PCS7 System Engineering 1: SCT-PCSYSE1D

OR

PCS7 System Engineering 1 - Virtual: SCT-PCOILSYSE1D

Language

English