

DCS: SIMATIC PCS 7 Advance (AS-PCS7A)

Objectives

ASE

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 SIMATIC 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.

OSE

As SIMATIC PCS 7 Engineer you will learn in this course the potential of the SIMATIC PCS 7-process control software with focus on OS configuration and design of graphic objects.

As important topics for advanced PCS 7 Engineers the configuration of Single- and Multi-Station-OS, as well as principles and methods supporting an advanced graphic engineering are in the center of the course.

You will put your newly acquired knowledge of the theory to use in practical exercises on the training equipment which you will work on as if you were in a real plant. This will increase your learning success.

On completion of the course

Target Group

Project manager, Project staff programmer, Commissioning engineers, configuring engineers, Service personnel, maintenance personnel.

Content

ASE

- Project Overview and Standards - Settings in SIMATIC Manager, HW-Configuration.
- Multiproject Engineering - Structuring Multiprojects, Efficient Engineering, License Management, Modification of Process tags
- Use of Advanced Process Library (APL) - Structures und Signal status, Operating Modes, Protection Modes, Application of Parameter Feature-Bit.
- CFC for Advanced - Forcing, Special Functions in CFC, Behavior when maximum cycle time exceeded.
- Advanced alarm engineering - Generating additional messages, Message configuration, Managing messages in SIMATIC Manager
- SFC Advanced - Operating State Logic and state changes in SFC, Configuration of SFC-Types
- SCL
- Application of APC Library - Overview APC Tools in the PCS7 Libraries and APC-Examples, Controller optimization using the PID Tuner

OSE

- ES/OS-PC-Station configuration - Project structure, Basic settings
- OS-Engineering - Multi-Project Engineering & Handling, SIMATIC Logon
- Multi-Station Engineering & Handling
- OS Server Redundancy
- Archiving - Tag and alarm logging, PH-Server & Information Server.
- Web Navigator
- Advanced Graphic Engineering - openness for C, Customized objects and faceplate creation
- Smart Alarm Hiding
- Asset Management with Maintenance Station
- Time synchronization

Prerequisites

Attendance of training course PCS 7 Basic recommended. Basic knowledge of process control engineering. Practical experience in SIMATIC PCS 7 project engineering.

Type

Face-to-face training

Duration

10 days

Language

en

Fee

135,000 INR