

Learning Journey - SIMATIC PCS neo System course (NEO-SYS-LJ)

Short Description

In this Learning Journey, you will learn how to implement the variety of engineering options in a structured and rational manner by using the SIMATIC PCS neo process control system.

An optimal mix of guided live modules (online) and self-learning modules will provide you with all of the content important for your work and sustainable learning success. Various practical tasks in our virtual exercise environment throughout the learning journey help you to prepare for practical application. The learning journey provides curated on-demand content to support you in your own personal practice transfer..

[More information on Learning Journey](#)

Objectives

The content of this Learning Journey is designed to familiarize you with flexible workflow options.

You will be able to configure the automation hardware including the distributed I/O with digital and analog signals in SIMATIC PCS neo and test the function in a virtual environment.

You will be familiar with the system concept and the general system structure of SIMATIC PCS neo. You will configure a simulated plant step-by-step, commission it and put it virtually into operation. You will handle the PCS neo engineering including SIMIT and the virtual controller on "PCS neo in the cloud". After completing the Learning Journey, you will be able to create, operate and test a SIMATIC PCS neo project technically correct and fully functional.

Target Group

- Project manager, Configuring engineers
- Programmers
- Commissioning engineers
- Technologists

Content

The Learning Journey NEO-SYS-LJ (Level: Basic) consists of:

- 5 live modules with each 4 hours
- 19 self-study modules (approx. 10 hours)

A Learning Membership to work through the self-learning modules and access to on-demand content is included for 1 year.

Topics:

- Project Management
- Device Engineering
- Online Functions
- Equipment Engineering
- Signals
- Simulation
- PCS neo APL
- Spreadsheet Engineering
- Excel Add-in
- Template Management
- HMI Engineering
- Late Binding
- Project Cockpit
- Multiuser Engineering
- Controller Communication
- Plant Operation

Prerequisites

Basic knowledge of electrical engineering, control and feedback control systems and process control engineering.

- [Technical requirements](#)

Note

The course language is English. Participation in the Learning Journey is personal and non-transferable.

Type

Learning Journey

Duration

30 hours

Language

en