SIEMENS

PROFINET with SIMATIC Controllers (TIA Portal) (IK-PNCOM)

Short Description

PROFINET gives you new ways to boost your productivity with four key advantages – openness, flexibility, efficiency, and performance.
This course teaches you the versatile possibilities of PROFINET – the leading Industrial Ethernet standard for automation – for networking your plant and enables you to realize efficient real-time communication with SIMATIC Controllers.

Objectives

In this course you will learn to use the real-time-capable standard PROFINET in your automation solution.
You will learn how to parameterize, commission, diagnose and troubleshoot a PROFINET network quickly and effectively.
Numerous practical exercises with SIMATIC and SCALANCE products and TIA Portal reinforce the acquired theoretical knowledge.

Target Group

- Engineering personnel
- Programmers
- Commissioning engineers

Content

- Basics of PROFINET
- Configuring PROFINET IO
- Configuring topologies
- Device and network diagnostics
- Ring redundancy (MRP)
- Shared device
- I device
- Isochronous realtime communication (IRT)
- Gateways and communication via PN/PN couplers

Prerequisites

SIMATIC S7 knowledge according to the course TIA-PRO1, TIA-SERV2 or TIA-SYSUP.

Type

Face-to-face training

Duration

3 days

Language

en