

Gestione avanzata PROFINET (SIE-PNADV)

Short Description

PROFINET is suitable for implementation in complex networks, or with details of both performance and robustness. The ability to define the topology allows for simple and quick installation and maintenance, while the implementation of the PROFINET IRT guarantees network response times that can reach up to 250µs. The course will allow you to acquire high skills on the PROFINET network through real-time data exchange between intelligent devices, the use of topology and PROFINET IRT communication. You will also be shown the basics of managing a ring PROFINET network. Finally, you will become familiar with the tools integrated in the TIA Portal for advanced diagnostics.

Objectives

After attending the course, you can:

- Implement I-Device communication
- Realize the network topology
- Exchange data in PROFINET IRT
- Create a ring network

Target Group

Programmers
Commissioning engineers
Engineering personnel

Content

- Architecture of the simulation station
- Management of an extended PROFINET network
- Communication with I-Device
- Topology
- PROFINET IRT communication
- MRP Redundancy in a PROFINET network
- Advanced network diagnostics via TIA Portal
- Advanced network diagnostics via Web Server of the SIMATIC S7 CPU

Theoretical knowledge will be deepened with practical exercises by accessing a remote system. This is made up of:

- 2 SIMATIC S7-1500
- SIMATIC ET 200SP
- SCALANCE X-200
- PC station with SIMATIC STEP 7 Professional (TIA Portal)

Prerequisites

TIA-SERV1 or TIA-PRO1 courses or equivalent basic knowledge of automation systems.
SIE-PNBA course or equivalent basic knowledge.

Note

This course delivery data will be decided together with you: please get in touch to digitalindustryacademy.rc-it@siemens.com, tell us your needs and we'll be glad to find a tailored solution for you!

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Type

Online-Training

Duration

4 hours

Language

it

Fee

760 EUR
Price for semi individual session up to 2 participants

1400 EUR
Price for session up to 5 participants