

## PROFINET mit SIMATIC Controllern (TIA Portal) (IK-PNCOM)

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### Short Description

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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

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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

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- Engineering personnel
- Programmers
- Commissioning engineers

### Content

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- 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

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SIMATIC S7 knowledge according to the course [TIA-PRO1](#), [TIA-SERV2](#) or [TIA-SYSUP](#).

### Type

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Face-to-face training

### Duration

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3 days

### Language

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