

## PROFINET System Course (STEP 7 V5.x) (IK-PNSYS)

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### Objectives

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Learn about the future-oriented PROFINET as the open Industrial Ethernet standard for automation from Siemens as a member of PROFIBUS International (PI).

Using SIMATIC NET components, you will learn how to parameterize, start up and troubleshoot a PROFINET network quickly and effectively.

Numerous practical exercises reinforce the theoretical knowledge acquired.

### Target Group

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Programmers  
Commissioning engineers  
Engineering personnel  
Maintenance personnel  
Service personnel

### Content

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Basics of PROFINET IO with configuring and programming  
Basics of PROFINET RT&IRT and media redundancy  
Plant-wide engineering & diagnostics with the engineering tools  
Introduction to the integrated Web-services in the PROFINET devices  
Utilizing and configuring Shared Devices and I-Device  
Extensive practical examples with exercises

### Prerequisites

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SIMATIC S7 knowledge according to ST-PRO2 or ST-SERV2

Additionally an online entrance test is available for you. So you may assure that the course of your choice fits to your competences.

### [Entrance Tests](#)

### Note

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If you require more in-depth knowledge of the message frame structure and message frame diagnostics with PROFINET Analyzer /Oscilloscope, we recommend that you attend the IK-PNOCPE course.

In these course you will work with the SIMATIC STEP 7 V5.x software.

### Type

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Face-to-face training

### Duration

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3 days

### Language

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en