

## IK-PNSYS – System course on Profinet / К y p c IK-PNSYS – Industrial Communication PROFINET System Course (IK-PNSYS)

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### Short Description

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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  
Operators

### Content

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Basics of Industrial Ethernet  
Basics of PROFINETIO, RT & IRT  
PROFINET IO with project planning and programming  
Commissioning of media redundancy  
Plant-wide engineering & diagnostics with the engineering tools  
Presentation of the integrated web services on the PROFINET devices  
Use and configuration of shared devices  
Parameterization and applications of the I-device  
Network transitions (PN / PN coupler)  
Data communication controller / controller with:  
an S7 connection with the S7 communication blocks, PUT / GET, BSEND / BRECEIVE  
Ethernet connections (ISO on TCP, TCP, UDP) with the T communication blocks

### Prerequisites

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SIMATIC S7 knowledge according to ST-7PRG1 or ST-7SERV1

### Note

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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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4 days

### Language

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