

## Actuator Sensor-Interface System Course (IK-ASISYS)

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### Objectives

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This course provides you with system knowledge of the AS-Interface standardized networking system. It deals with the gateways to PROFIBUS and PROFINET and provides the necessary fundamental fieldbus knowledge. You will connect the AS-Interface components for ASIsafe® (safety monitor, EMERGENCY STOP switch, position switches, etc.) to an AS-Interface network, and configure with help of asimon graphical Software Tool. These practical exercises will reinforce your theoretical knowledge. On completion of the course, you will be familiar with the functions of the system and you will be able to plan, configure and start up the AS-Interface for your automation system.

### Target Group

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Programmers  
Commissioning engineers  
Engineering personnel  
Maintenance personnel  
Service personnel  
Operators

### Content

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Fundamentals of the Actuator-Sensor-Interface (AS-Interface)  
Setup and configuring  
Introduction to the system components  
AS-Interface master  
AS-Interface slaves, A/B technology  
AS-Interface power sections, cables and accessories  
Startup, test and diagnostics facilities  
Addressing device  
PROFIBUS-DP / AS-Interface (DP/AS-i Link Advanced) gateways  
Safety at Work  
Practical exercises

### Prerequisites

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

### [Entrance Tests](#)

### 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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3 days

### Language

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en