

## Ethernet Fundamentals in Industrial Networks (IK-ETHBAS)

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### Short Description

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The Industrial Ethernet Fundamentals course provides a broad overview in network technology and mechanisms which are the foundation of today's digital communication. Ever heard of the OSI reference model? This course will give you the insight and takes you on a tour through all seven layers.

### Objectives

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Upon completion the participants will gain a foundation knowledge of networking and its applications in industrial environments and will be prepared for the certification trainings of the Siemens Industrial Networks Education program.

### Target Group

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Decision makers  
Planners  
Sales personnel  
Configuring engineers  
Commissioning engineers  
Engineering personnel  
Project engineers  
Maintenance personnel  
Service personnel  
Industry: COOs  
IT: CIOs, network planners and administrators

### Content

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Introduction to Industrial Ethernet  
Layer 1 - Physical Layer  
Layer 2 - Data Link Layer  
Layer 3 - Network Layer  
Layer 4 - 7

### Prerequisites

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To prepare for the training, please work through the WBT [Data communication for Industrial Ethernet](#).

### Note

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This training is recommended before attending the [Siemens Networks Certification trainings](#).

### Type

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Face-to-face training

### Duration

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2 days

### Language

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