

## Ethernet Fundamentals in Industrial Networks (IC-ETHFUN)

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### Short Description

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This training was conducted until March 10, 2026 under the course number IK-ETHBUS.. The Online training Industrial Ethernet Fundamentals 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 planer 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

### Note

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With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.  
This training is recommended before attending the Siemens Industrial Networks Certification trainings.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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