

## Industrial Wireless LAN System Course (IK-IWLANSY)

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### Objectives

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Realize your optimum mobile application for your plant - Wireless Communication is a component of Totally Integrated Automation at Siemens. This course covers the necessary knowledge needed for using Wireless LAN Technology in the industrial field. For this, SIMATIC NET offers SCALANCE W products which you will become familiar with in theory and in practice. You will know the Industrial Features of the products and their differences to the standard applications. At the end of this course you will be able to configure, design and maintain IWLAN networks.

### Target Group

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Planners  
Sales personnel  
Configuring engineers  
Commissioning engineers  
Engineering personnel  
Project engineers  
Maintenance personnel  
Service personnel

### Content

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Comparison and coexistence of different wireless technologies  
Theoretical fundamentals of wireless technology  
Security and high data rates in WLAN  
Introduction to the different WLAN standards  
Planning and configuration of different radio links  
Planning and configuration of RCOAX radio networks with iPCF  
Planning and configuration of free radio networks with iPCF-MC  
Comprehensive exercises using the SCALANCE W product line

### Prerequisites

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Knowledge according to course IK-IESYS or 5 IK-PNSYS  
You should have basic knowledge of the topic "Ethernet" and should be familiar with topologies, transfer processes, addressing, data transport and understand the associated technical vocabulary. It is also helpful if you are familiar with the principles of operation of routers, switches, hubs and the OSI reference model. Basic knowledge of SIMATIC S7 and knowledge from the ST-PRO2 or ST-SERV2 courses is desirable.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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### Fee

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400 EUR  
( price without 20% VAT )