

On line-Training Corso di sistema Industrial Wireless (IK-IWLANSYS)

Short Description

The course covers the basic physics of WLAN, and the various wireless standards and access methods. Throughout the course, you will learn how to plan, configure and operate wireless solutions in industrial applications, in interaction with real-time systems. Throughout the course, you will have ample time for practical exercises, diagnostics, and troubleshooting.

Objectives

After attending the course, you can:

- Comparison and coexistence of different wireless technologies
- Security and high data rates in WLAN
- Planning and configuration of different radio links, iPCF and iPCF-MC

Target Group

Plant Engineers
Control Engineers
System Engineers
Commission Engineers
Application Engineers
Operations or IT Network Engineers
Facility Managers
Project Engineers

Content

- Introduction to Industrial Wireless (IWLAN)
- Wireless Theory
- Antenna technology
- WLAN access procedures
- WLAN Standards
- Radio field planning
- Typical industry protocols
- RCoax
- iPCF
- iPCF-MC

Theoretical knowledge will be deepened with numerous practical exercises on SCALANCE W devices.

Prerequisites

Basic knowledge of the operating principles of the ISO/OSI model.

Note

You can prepare for this activity through the **SIE-learning 4.0** SIE-ETHBA preparatory courses.
At the end of the course you can deepen the topics covered through our **SIE-learning 4.0** : SIE-IWLAN.

Type

Online-Training

Duration

12 hours

Language

it