
Optimal data usage in manufacturing with Industrial Edge (TIA-EDGEON)

Short Description

Use and analyze the data from your machines and systems. Also ensure that the corresponding software, operating system and cybersecurity are always up-to-date and secure. With Industrial Edge, everything is easier, more flexible, and more secure: Acquire and process data directly and securely at the machine with no latency using your software and a central system for administration, deployment, and updates.

Objectives

By attending this course, you will learn how to use the advantages of Industrial Edge optimally for your application:

- Flexible and secure mass data processing directly in production.
- Shorter innovation cycles and greater flexibility thanks to central software and operating system updates.
- Reduce the time to market through efficiency-increasing platform functionalities
- Future-proof and low barriers to entry due to the open ecosystem

Target Group

Commissioning engineer
Project planner

Content

Industrial Edge

Introduction to the concept and application of the Industrial Edge Device and Industrial Edge Management System
Working on Industrial Edge Application Scenarios Performance Analytics and Shopfloor to Cloud Connectivity
Commissioning and onboarding of an industrial edge device in the management system in the existing network topology
Order and implementation of Siemens Apps
Perform firmware updates
Implement connectivity to the SPS and cloud using platform functionality
Configuration of different Edge Apps
Installation of an individual Industrial Edge application
Provision of an own Edge App in the Industrial Edge Management System
The following Industrial Edge Apps are among those used in the course:

- FlowCreator, SIMATIC S7 Connector, Cloud Connector, Data Service, Performance Insight, OPC UA Connector, ...

Prerequisites

Basic knowledge in SIMATIC TIA Portal STEP 7 corresponding to the courses TIA-PRO2 or TIA-SYSUP
Basic IT knowledge should be available.

Type

Face-to-face training

Duration

3 days

Language

en, fr, nl