SIEMENS

Optimal Data Usage in Manufacturing with Industrial Edge (IE-ONBOARD)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

3 Days
1.7 CEUs

Target Group

- Programmer
- Engineer
- Reliability

Short Description

Participants should have basic knowledge of IT standards and application and be familiar with the principles of factory automation, machine data analysis, and cyber-security.

The goal of this course is to provide experienced users, familiar with Automation system environments, with hands-on knowledge and skills training on the TIA Industrial Edge System.

Objectives

- Create an Industrial Edge Management (IEM) system
- Connect to the Industrial Edge Hub (IEH) to download apps, documents, and updates
- Configure, troubleshoot, and back-up projects
- Add Industrial Edge Devices (IED) to the IEM system for management
- Configure and download apps to IEDs for automation data collection
- Prepare analytical automation data for display in graphical Widgets
- Prepare analytical automation data for use in cloud applications
- Analyze data with Edge Apps locally on the field level using Edge Devices
- Transfer data to IT/Cloud infrastructures for further processing

Content

- Introduction to Industrial Edge
- EH-IEM-IED
- Commissioning – Onboarding Industrial Edge Devices
- Reference Application
- Industrial Edge Apps
- IE Flow Creator Edge App
- SIMATIC S7 Connector System App
- IE Databus System App
- Data Service Edge App
- Performance Insight Edge App
- IE Cloud Connector System App

- ▪ Prospects for Custom Apps
- ▪ Training & Support

Note

The course will cover using a preconfigured TIA Portal Project running in PLCSIM Advanced as the automation system. The key Industrial Edge learning subjects will include the content in the Objectives section.

Language

English