

TIA-SEC (Security in the TIA Portal Environment) (TIA-SEC)

Short Description

With increasing demands for cybersecurity resilience in industrial automation, new functionalities have been integrated into TIA Portal. This training aims to equip participants with the knowledge and skills to implement security measures effectively within the TIA Portal environment, ensuring protection against unauthorized access and cyber threats.

Objectives

The course focuses on these new functionalities and describes options for securing projects, control and visualization systems, and communication with them. It also includes an introduction to the concept of user management, digital certificates, and methods for encrypting communication protocols.

The course does not cover the area of Safety, i.e., operational safety of the machine. This topic is addressed in the course: TIA-SAFETY (Programming Simatic Safety).

Target Group

The course is primarily intended for experienced TIA Portal users and programmers.

Content

- PLC Security Wizard
- User management – local (TIA) and central (outside TIA)
- Data protection in PLC
- Communication encryption
- Securing communication protocols
- Program data protection
- Logging operational events using the Syslog protocol
- OPC UA protocol
- Certificate management outside TIA Portal – GDS Push
- Configuration of the WinCC Unified HMI system
- User management in HMI
- Certificate management in WinCC Unified

Type

Face-to-face training

Duration

1 day

Language

CS

Fee

5,500 CZK