

Online-Training Diagnostica intermedia con TIA Portal (TIA-DIAG2)

Short Description

The course deepens the basic knowledge required to perform first-level troubleshooting and restoration of SIMATIC automation systems developed in the TIA Portal environment. By understanding the user program, participants will be able to develop and integrate test programs into the automation system to identify both system and functional errors. Advanced knowledge will also be provided for managing faults in communication networks.

Objectives

- Use advanced diagnostic tools
- Interpret a structured PLC program
- Integrate alarms into a SIMATIC HMI monitoring system

Target Group

- Electrical and mechanical maintenance technicians
- Operators

Content

- Brief overview of diagnostic tools used to detect functional and system errors
- Configuration of decentralized peripherals ET200 PROFINET/PROFIBUS
- Main components of the user program (OB, FC, FB, and DB) and their organization
- Error detection through the user program (software traps, OBs, etc.)
- Methods for backing up and restoring programs (PLC + HMI)
- Management of analog signals
- Common issues related to communication networks and how to resolve them
- Alarm representation on SIMATIC HMI

Prerequisites

Completion of the TIA-DIAG1 course or equivalent knowledge

Type

Online-Training

Duration

18 hours

Language

it