
SPPA-T2000 SIMATIC S7 400FH - Failsafe Training (K-T2-PROT)

Objectives

The participant will learn the basic principle of operation and engineering of the S7 400FH system and will practice implementation of the basic applications. Additionally the course will pass on the special knowledge and abilities required for engineering of protection functions, coupling to the FM458 and error diagnosis of the S7400 FH.

Target Group

Users of the Failsafe and High Availability Automation System SIMATIC S7 400 FH for protection and coupling to the turbine controller FM458

Content

Engineering actions required to modify and optimize the functions of the failsafe and highavailability automation system in a power plant using exemplary tasks on an installed S7 400 H/F system with a basic simulated process.

Covered Subjects:

- Simatic Manager, basics of programming and engineering
- S7 programming language, data types, program visualization
- Failsafe specific CPU memory management
- Design of the hardware of a sample system
- Creating CFC's (continuous function charts)
- Design of a standard system
- Internal communication and interfaces to external systems
- Commissioning the cabinet
- Download and test of the software
- Troubleshooting
- S7 communication interface to FM 458
- Send and receive HW-signals to and from the field

Note

Preconditions: basic knowledge of PLC's
Number of participants: 8
Language: German or English
Course duration: 3,5 days
Course location: Karlsruhe

Type

Face-to-face training

Duration

3.5 days

Language

en