
Engineering for FailSafe & Turbine Controller with Tec4Function (K-T2-P-ADV)

Objectives

The participant will learn the basic handling of engineering SPPA-T2000 AS 620 F (failsafe) and T (turbine controller) functions in the S7 400FH system with ES680 and the Simatic manager and handling the technology editor Tec4Function for basic applications.

Target Group

Users of the Tec4Function tool. Engineering of failsafe functions and turbine controller applications in the SIMATC S7 400 FH automation system.

Content

Overview of system, tools and infrastructure
Basics of programming and engineering with Simatic manager, ES 680, TEC-editor
Create and administrate projects
Plan size and title block
Add, connect and parameterize blocks
Connect diagrams, Create an example plan
Copy/Modify, AP-Assignment, plan generation, delta-comparison
Dynamic diagrams
IO-engineering for failsafe and Add FEM's
Design of the hardware of a sample system
Creating CFC's (continuous function charts) by means of the Tec4Function editor
Design of a standard system with failsafe functions and turbine controller
S7 communication interface to FM 458
Communication interfaces between CFC, ES 680 and OM650
Download and test of the software
Troubleshooting
Send and receive HW-signals to and from the field

Prerequisites

basic knowledge of T2000, TEC4Function editor and T2-PROT

Note

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