

SIMATIC TDC - Programming (MC-TDC-PM)

Objectives

The multiprocessor control system SIMATIC TDC is used for complex control tasks in large applications.

Your task is the programming of the control structures and the communication between control boards and the periphery. For programming you use the powerful tools SIMATIC D7-SYS and CFC.

In this course you learn the different possibilities of programming and their use. After the course you can program SIMATIC TDC fast and efficient, and you are able to adapt it for the individual application.

Target Group

Programmers
Commissioning Engineers

Content

Overview control system SIMATIC TDC

Create projects with SIMATIC Manager and Hardware-Configuration

Engineering with SIMATIC D7-SYS and CFC:

- Create and test CFC-Plans
- CFC-Functions: Interrupts, Processor load and time synchronization
- Plan-in-Plan-Architecture and libraries

Communication methods:

- \$-connections
- Virtual connections
- Pointer-connections

Communication between control boards via:

- PROFINET and PROFIBUS
- Industrial Ethernet
- Memory connection and direct connection
- GDM-connection (frame connection)

Means for testing and fault monitoring

Connection to WinCC

Extensive exercises at racks with SIMATIC TDC, ET200 and SINAMICS-drives

Prerequisites

Knowledge of SIMATIC S7 according to the courses ST-PRO1 or ST-SERV2.

Type

Face-to-face training

Duration

5 days

Language

en