

SIMOTION - Programming and Commissioning (MC-SMO-PMT)

Short Description

In this course you will learn how to configure and start up the SIMOTION Motion Control system with the drives SINAMICS S120 and the visualization devices. Core topic of the course is the programming of movement sequences.

Objectives

You will learn how to configure and start up the SIMOTION Motion Control system with the associated drives and visualization devices. The course also includes the programming of movement sequences with the help of Motion Control Chart and ladder diagram/function block diagram. The technologies positioning, synchronous operation, probe, and cam plates are explained and reinforced by means of practice-oriented examples. The course enables you to use SIMOTION optimally in the automation of production machinery.

Target Group

Programmers , Commissioning engineers, configuring engineers, Service personnel

Content

System overview of SIMOTION
Components of SIMOTION
TIA-SCOUT engineering system and option packages
Hardware platforms
Motion control technology packages
Creating a project with TIA-SCOUT
Starting up and optimizing axes
Programming user programs with MCC (Motion Control Chart) and LAD/FBD
Runtime system (task system) configuring
Learning to use tools for fault diagnostics
Performing practical exercises on training devices

Prerequisites

Basic knowledge of automation with SIMATIC S7
Basic knowledge of drive technology with SINAMICS

Type

Face-to-face training

Duration

5 days

Language

de, en, fr, nl