

## SIMOTION Systemkurs (N-SMO-SYS)

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### Objectives

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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. The programming course (MC-SMO-PRG) builds on this to deal in depth with the creation of parameterizable blocks.

### Target Group

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Programmers , Commissioning engineers, configuring engineers, Service personnel

### Content

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System overview of SIMOTION  
Components of SIMOTION

- SCOUT engineering system and option packages
- Hardware platforms

Motion control technology packages  
Creating a project with 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

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Basic knowledge of automatization

### Type

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Face-to-face training

### Duration

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5 days

### Language

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