

## SIMOTION Maintenance Course / SIMOTION 运动控制系统维护课程 (A3108)

### Objectives

Unplanned downtimes of production machines can be very costly. This course shows you how to use the SIMOTION D automation system and SINAMICS S120 drive system confidently should a fault occur. You will be able to rectify faults more quickly and make small adjustments to the control program, thereby saving both time and money. Practical exercises are carried out on a system installed with SIMOTION D, SINAMICS S120 in frame size Booksize, SIMATIC ET200S and SIMATIC TP 177 with WinCC flexible.

### Target Group

service personnel, maintenance personnel

### Content

- Overview of SIMOTION and SINAMICS S120 components
- Engineering system SCOUT and the integrated commissioning tool STARTER
- Structure of a SIMOTION project
- Setting up online connections via PROFIBUS and PROFINET
- Drive objects, components and topology
- Handling the CF-card: structure and backing up files
- Diagnoses with SCOUT and the SIMOTION IT Web browser
- Parameter overview for service purposes
- Service relevant changes to executable control programs
- Diagnosing and replacing of modules, motors, encoders, cables, and HMI
- Analysis of enabling signals and alarms
- Service functions: trace, measurement functions
- Practical exercises on training devices

### Prerequisites

Basic knowledge of automation and drive engineering

### Type

Face-to-face training

### Duration

5 days

### Language

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