

## SINAMICS S120 - Parameterizing and Commissioning / SINAMICS S120 Parametre ve Devreye Alma (DR-S12-PM)

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### Objectives

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You are responsible for the commissioning of SINAMICS S120 drive system. Modern converter systems offer a variety of functions and setting possibilities. By a purposeful procedure you can save time and avoid faults. In this course you will learn the procedure at commissioning step by step. You can handle parameter setting and data saving with the software STARTER. By a correct parameter setting you support the reliable operation of the entire plant. After the course you can put the converter system SINAMICS S120 efficiently into operation. You can adapt the parameters of the closed-loop controller to the respective application and use the diagnostic tools in case of a fault.

### Target Group

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Commissioning Engineers  
Programmers

### Content

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- Design and functional principle of the converter system SINAMICS S120:
- Control unit, line infeed and motor modules,
- Motors, encoders and interfaces
- Parameterization, data backup and diagnostics using Software STARTER:
- Online connection via PROFIBUS and Ethernet
- Project structure: drive objects and drive components
- Topology of the DRIVE-CLiQ-Interface
- Function charts: setpoint channel, Input and output signals, free function blocks
- Control signals and internal signal interconnection using BiCo-technology
- Optimization of the closed loop control using automatic procedures
- Functional principle of the control modes Servo and Vector
- Analysis of the operating status using enable signals, warnings and alarms
- Monitoring of signals using the trace-function
- Introduction to Basic Positioning and Safety Integrated
- Drive side interface to SIMATIC S7 via PROFIBUS and PROFINET
- Practical exercises at training kits with SINAMICS S120 in frame size booksize

### Prerequisites

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You find additional information about commissioning in the courses DR-S12-PA, DR-S12-OPT and DR-S12-SAF.

### Type

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Face-to-face training

### Duration

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5 days

### Language

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### Fee

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6,950 TRY  
( price without 18% VAT )