

## SINAMICS DCM - Parameterizing and Commissioning Course (DR-DCM-PM)

### Short Description

SINAMICS DCM converters in conjunction with SIMOTICS DC motors are used for sophisticated and demanding applications in drive technology. A focused procedure when commissioning saves time and avoids critical faults. Correct commissioning supports reliable operation of the complete plant or system.

### Objectives

After the course you are able to reliably and efficiently commission the DC converters and adapt parameter settings to address the various applications. You can optimize the controller settings and in the case of faults, use diagnostic resources.

### Target Group

Commissioning/configuration engineers  
Service personnel

### Content

Design and function of the SINAMICS DCM converter:  
Control module CUD, interfaces  
Power unit, excitation circuit  
Commissioning and parameterization with  
STARTER PC program  
Operator panels: BOP20 and AOP30  
Using the memory card: Structure and data backup  
Procedure when commissioning, checking functions  
Optimizing the closed-loop current and speed control, automatic optimization  
Function diagrams: Setpoint channel, inputs and outputs, free function blocks  
Information on Drive Control Chart DCC  
Drive interface to PROFIBUS / PROFINET  
Expanding the system using Terminal Modules and Sensor Modules via DRIVE-CLiQ  
Parallel connection and peer-to-peer coupling  
Operating states, alarms and fault messages  
Service functions: Trace, measuring functions, diagnostics memory  
Practical exercises on training equipment with SINAMICS DCM, AOP30, STARTER

### Prerequisites

A basic knowledge of electrical engineering.

### Note

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### Type

Face-to-face training

### Duration

5 days

### Language

en

### Fee

2,900 GBP