

## SIMATIC Motion Control 2 i TIA-Portalen (TIA-MC2)

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### Objectives

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You will use the motion control functions of the SIMATIC S7-1500 controller. Using the technology CPU, you will be able to extend applications with absolute synchronous axes or camming. In this technology course, you will learn step by step the benefits and the use of these functions. After each learning step, you will deepen your knowledge with hands-on programming. After completing the course, you will understand how camming works and be able to efficiently assign parameters for technology objects.

### Target Group

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Programmers  
Commissioning engineers  
Engineering personnel

### Content

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Overview of S7-1500T Technology CPU  
Absolute and relative gearing  
Strategies for synchronization and desynchronization  
Cam disc creation using the graphical cam editor and during runtime  
Kinematic functions configuration and control  
Interplay between Motion Control and Safety Integrated  
Cam disc creation using libraries  
Practical exercises on training devices with SIMATIC S7-1500T and SINAMICS drives

### Prerequisites

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Experience with programming motion control functions in SIMATIC TIA Portal corresponding to the course TIA-MC1.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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### Fee

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7,900 DKK