

## SINAMICS - Safety Integrated Commissioning and Service (DR-SAFETY)

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### Korte beschrijving

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In this course, you will learn how to configure the safety functions of SINAMICS Next Generation converters (with FW V6.x) during commissioning and how to use them during operation.

### Doelen

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In this course, you will learn how to use the SINAMICS safety functions of the SINAMICS Next Generation converters (with FW V6.x):

- Overview of the available safety functions of SINAMICS converters
- Commissioning and monitoring of the safety functions of SINAMICS converters
- Executing acceptance and activation tests

### Doelgroep

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- Commissioning personnel
- Service personnel
- Maintenance personnel
- For planners and project engineers, the course "Functional Safety in Machine and System Manufacturing" (ST-FASAFN) is recommended

### Inhoud

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Short overview of relevant standards and regulations  
Operating principle of the safety functions integrated in SINAMICS  
Control of safety functions via onboard terminals and via PROFINET / PROFIsafe  
Commissioning of basic safety functions  
Overview of available safety functions  
Verification of the implemented safety measures:

- Safety Integrated acceptance test
- Safety Integrated activation test
- Documentation and archiving of test results

Service and maintenance with activated safety functions  
Module replacement with activated safety functions  
Practical exercises with a SINAMICS training unit (e.g., SINAMICS S210)

### Vereiste voorwaarden

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Basic knowledge of drive technology  
Basic knowledge of SIMATIC TIA Portal (corresponding to the courses TIA-SERV1 or TIA-PRO1)  
Basic knowledge of functional safety (corresponding to the course ST-FASAFN)

### Opmerking

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**Included in the course price:** Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course. Here you will find web-based trainings on [SINAMICS Converters](#) as well as other topics such as [Industrial Automation Systems SIMATIC](#) and many more. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

### Soort

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Face-to-face-training

### Duur

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4 dagen

### Taal

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