

## SINAMICS G150 / G130 / S150 - Diagnostics and Service Course (DR-G15-DG)

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### Short Description

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You are responsible for the reliable operation of low-voltage drives with high power ratings. In addition to the first and recommissioning, the focus of this course is on identifying faults and applying focused measures to resolve these faults. After the course you are able to commission the converter and make changes to the parameterisation. In case of faults, you can reduce downtimes by analysing the faults and their associated causes, and you can replace faulty components.

### Target Group

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Commissioning engineers  
Service personnel  
Maintenance personnel

### Content

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Overview of SINAMICS G150 / G130 / S150 converters  
Commissioning and diagnostics with:  
Advanced Operator Panel AOP30  
STARTER PC tool  
Design of the converter and electrical cabinet  
Electrical connection: Contactors, switches, reactors and filters  
Setpoint channel, closed-loop control and trace function  
Signal interconnection and BICO technology  
Communication through PROFIBUS  
Handling and using function diagrams and circuit diagrams  
Function of modules and options  
Diagnostics and troubleshooting, handling spare parts  
Replacing modules and power blocks  
Practical exercises at converter cabinet units:  
Commissioning  
Diagnostics and data backup  
Replacing components

### Prerequisites

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Basic knowledge of electrical engineering.

### Type

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Face-to-face training

### Duration

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5 days

### Language

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