

## SINAMICS SM150 - Repair of IGCT Phase Modules (DR-SM15-RP)

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### Objectives

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They are responsible for service work and repairs of medium-voltage converters.  
In this course you will learn how the power section of the SINAMICS SM150 inverter with IGCT phase modules works.  
After the course, you will be able to perform fault diagnosis and repair with spare parts on the ICGT phase module.

### Target Group

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Service personnel  
Maintenance personnel

### Content

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Design and function of the IGCT phase modules  
Block diagram of the IGCT (integrated gate commutated thyristor)  
Troubleshooting, testing and measuring at the IGCT phase module  
Exchange of single IGCTs, pressure screws and connection busbars  
Generating the test protocol for repair and testing  
Examples of damaged IGCT phase modules  
Practical exercises on the original IGCT phase module

### Prerequisites

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Experience with low voltage or medium voltage drives.  
Knowledge of SINAMICS SM150 is helpful, but not mandatory.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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