

## Masterdrives service & underhåll (DR-MD-IH)

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### Objectives

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As a maintenance engineer you learn to be able to quickly detect and localize faults in AC-drives (SIMOVERT Masterdrives VC, MC) and check the central functions of an AC-drive system. You will be able to localize the cause of a fault within the drive system (converter, motor) and to rectify faults.

### Target Group

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Maintenance personnel

### Content

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Principle of operation and function of AC-drives:

Basic functions of converter, inverter, motor and control

Hardware structure of converters for selected power classes

Software structure: Setpoints, control and control circuits

Troubleshooting practical training:

- Interpretation of internal fault messages
- Functional diagnostics of rectifier, inverter, power supply and internal interface modules
- Device-internal hardware tests
- Measures for motor replacement, i.e. data comparison, reoptimization
- Intensive application of the tools DriveMonitor for the analysis of faults and signals
- Procedures for the replacement of a processor boards
- Operational check
- Gathering and evaluating fault information

### Prerequisites

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Basic knowledge of electrical engineering.

### Note

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The training is in Swedish language with english course material. Masterdrives CUVC are used for practical exercises.

### 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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14,600 SEK