

Masterdrives service & underhåll (DR-MD-IH)

Objectives

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

Maintenance personnel

Content

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

Basic knowledge of electrical engineering.

Note

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

Type

Face-to-face training

Duration

2 days

Language

sv