

COURSE DESCRIPTION

FI203

SAMI MEGASTAR W (AMC) User, Maintenance and Service



Course Type and Description

Classroom course with focus on hands-on activities led by an instructor in the HV-test field

This course contains theoretical teaching and hands on exercises and fault tracing with SAMI Megastar W.ABB internal info: This course is not equivalent with Megastar Expert Days, which is one of the requirements when applying for Megastar W (AMC) Expert - Certificate (PCS).



Main Topics

- Hardware and software overview
- Component and board functions
- Reading and interpreting circuit diagrams and part lists
- Control panel functions
- Preventive Maintenance
- Fault tracing
- Replacing HV – components
- Using the PC-tools (Drive Windows/Remote Desktop)



Course Duration

The course duration is 4 days.



Prerequisites

- Basic knowledge of electronics and power electronics
- Basic knowledge of AC-motor and drive engineering
- Experience in using a DOS / Windows PC



Student Profile

This course is intended for electricians, technicians and engineers who perform preventive maintenance and normal troubleshooting on SAMI Megastar W –AMC - drives.



Course Objective

Upon completion of this course, students will be able to:

- Perform Preventive Maintenance on SAMI Megastar W -AMC
- Trace and correct simple faults
- Operate and test SAMI Megastar W – AMC –drives using PC-tools



Course Goal

The goal of this course is to deepen, after the web course, students knowledge of the basic technical principles of the ABB LV AC drives maintenance.

Day 1

08:00 Introduction of the Course
08:30 Megastar Product Presentation, Drawings and Part Lists
11:00 Lunch Break
11:45 Safety, Grounding of Megastar, Start/Stop Sequence
13:30 Control Unit
16:00 End of the Day

Day 2

08:00 Test Site Visit
09:30 Control Panels, Monitoring SW-Tools, SW/FW Downloading
11:00 Lunch Break
11:45 Maintenance Schedule, PM Kits, Replacement, Upgrades
13:00 Hands on Training at the Test Site
16:00 End of the Day

Day 3

08:00 Hands-on Training at the Test Site
11:00 Lunch Break
11:45 Hands-on Training continues
16:00 End of the Day

Day 4

08:00 Trouble Shooting Rehearsals at Test Site
10:00 Final Discussion
11:00 Lunch Break
11:45 Course Certificates & End of the Course

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