

Course description

G770

ACS 2000 Medium Voltage Drive Operation and Maintenance

Course goal

The goal of this course is to train the participants in the safe operation, control, configuration, troubleshooting and maintenance of the ACS 2000.

Through various training methods the students will develop their knowledge, confidence and skills in the handling of this Multi level Voltage Source Inverter.

Learning objectives

Upon completion of this course the participants will be able to:

- Understand the safety requirements of medium voltage
- Know the protection and safety concepts of the drive
- Identify drive components, configure settings and understand the drive system topology
- Operate the drive, energizing, de-energizing, start, stop and adjust speeds
- Carry out maintenance tasks
- Perform basic troubleshooting tasks, using data loggers, fault loggers, and DriveWindows

Participant profile

This training is targeted to electricians, technicians and engineers who will operate, maintain or troubleshoot the ACS 2000 drive system.

Prerequisites

Basic knowledge on use of MS Windows based computers

Training and documents will be in English.



Topics

- Overview
- Control Hardware
- Power Hardware
- Operation
- Installation of the drive system
- Software
- SW Tools
- Protection Concept
- Hands on Training
- Preventive Maintenance
- Troubleshooting

Course type and methods

This is an instructor led course with lectures and demonstrations
Practical exercises with demonstration equipment
Visit of the factory test area

Duration

The duration is 3 days.

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Course outline

Day 1	Day 2	Day 3
<ul style="list-style-type: none">■ Course overview■ Control Hardware■ Power Hardware■ Operation	<ul style="list-style-type: none">■ Installation of the drive system■ Software■ SW Tools■ Protection Concept■ Factory Visit	<ul style="list-style-type: none">■ Handa-on training■ Preventance Maintenance■ Trouble Shooting■ Course conclusion & feedback

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