

# **G500 – SAMI STAR**

## **Start-Up, Maintenance and Service**



### **Course Type**

Classroom course

### **Course Duration**

The course duration is 3 days.

### **Course Goal**

The goal of this course is to teach students how to start-up, adjust, operate, maintain, troubleshoot and repair SAMI STAR frequency converters.

### **Student Profile**

This course is intended for electricians, technicians and engineers who commission and service SAMI STAR frequency converters.

### **Prerequisites**

- Basic knowledge of electronics
- Basic knowledge of using a computer

### **Description**

This course belongs to a learning path. Please see the accompanying figure of possible learning paths.

### **Course Objectives**

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

- Commission and tune SAMI STAR frequency converters
- Trace and correct faults

### **Main Topics**

- Operation principles of AC frequency converters
- Vector and/or scalar control
- Component and board functions
- Reading and interpreting circuit diagrams
- SAMI STAR application software
- Remote test and set-up using PC-based SAMI DMS (Drive Maintenance System) {optional}
- Operation of the local and/or remote test panels (CP1 and/or CP2)
- Signal measurement
- Parameter setting
- Initial converter start-up and commissioning
- Fine-tuning of the converter
- Replacing and adjusting boards and components
- Fault tracing methods

## SAMI STAR/ACV700 Learning Paths

Course code    Duration

Course name

