

## COURSE CONTENT "2 DAYS"

### Frequency converter MM420/SINAMICS G120 at a fieldbus with SIMATIC S7

#### Prerequisites

- Basic knowledge of Windows PC
- SIMATIC S7 Advanced Training Course
- Basics of drive technology for frequency converters
- Basic Course bus systems with SIMATIC S7

#### Contents

- Presentation of various SIEMENS frequency converters
- Drive configuration with the SIZER software
- Commissioning and parameter assignment of this converter
- Parameter assignment structure with authorization levels
- Parameter assignment SINAMICS G120 (alternatively MICROMASTER MM420)
- Commissioning with asynchronous motor
- Fault-finding
- Coupling of a frequency converter to a PLC S7 with PROFIBUS/PROFINET
- Communication infrastructure at PROFIBUS/PROFINET
- Commissioning of a SIMATIC S7-300 CPU 315F-2PN/DP as a master I/O controller
- Setting up the frequency converter as a slave/I/O device at PROFIBUS/PROFINET
- Remote control of the frequency converter through PROFIBUS/PROFINET
- Remote parameterization of the frequency converter through PROFIBUS/PROFINET
- Remote diagnostics for frequency converter through PROFIBUS/PROFINET
- Parameter assignment with the STARTER software

This program serves as the lead and guideline for the course, with us placing great value on the practical applications.

We will naturally be pleased to deal with any individual suggestions, wishes and questions from the participants.