

COURSE CONTENT "2 DAYS"

Advanced course STEP 7 Classic

Prerequisites

- Basic knowledge of Windows PC
- SIMATIC S7 Basic Course

Contents

- Short repetition of the basic course
- Data types at SIMATIC S7
- Mathematical functions and data type conversion
- Reading in and scaling analog values
- Data blocks
- Creating a program example with a data block
- Tag declaration in function blocks (FB) and functions (FC)
- Creating a program example with tag declaration and data block
- Standard and system functions
- Test and diagnostic functions of STEP 7 software
 - Monitoring and controlling tabs
 - Monitoring hardware online
 - Module state / Operating state
 - Controlling inputs and outputs (through tag table and hardware configuration)
 - FORCING / PA activation and controlling in Stop mode of the CPU outputs
- Exercises for debugging / diagnostics with STEP 7
- Error localization and error elimination at SIMATIC S7
 - Operating and display elements of the SIMATIC S7 control system (S7-300, S7-400)
 - Hardware diagnostics / diagnostic buffer
 - Additional functions in the target system of the controller
 - Reference data, block assignment and program structure
 - Comparing blocks
- Error organization blocks

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.