

## COURSE CONTENT "2 DAYS"

### Control technology with SIMATIC S7

#### Prerequisites

- Basic knowledge of Windows PC
- Basic knowledge of control technology
- SIMATIC S7 Advanced Training Course

#### Contents

- Controllers in automated plants
- Software controllers for SIMATIC S7
- Design steps / Modeling in the controlling of process variables
- Quality requirements for the control loop
- Controller structures
- Controller parameters and adjustment procedure
- Controller testing
- Data types at SIMATIC S7
- Mathematical functions and data type conversion
- Reading in / writing and scaling analog values
- Developing a program for two-step controllers
- Testing the program for two-step controllers and commissioning with processes
- Controller block (S)FB41 "CONT\_C" software PID controller
- Integrating / Parameterizing the PID controller Software in STEP 7 programs
- Setting / configuring PID controller software
- Commissioning the PID controller software with processes

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.