

COURSE CONTENT "2 DAYS"

WEB technologies with SIMATIC S7 and WinCC flexible

Prerequisites

- Basic knowledge of Windows PC
- SIMATIC S7 Advanced Training Course, knowledge of SIMATIC WinCC flexible

Contents

- Hierarchy levels in automation technology
- Basics on Ethernet bus access processes and package format
- Ethernet network components / cabling and terminal connection method
- Comparison of Ethernet/Fast Ethernet
- Duplex/Switching/Autonegotiation/Autosensing/Spanning Tree Algorithm
- Terminal connection method SUB-D/RJ45 Twisted Pair (TP)/Industrial Twisted Pair (ITP)
- Internet protocol TCP/IP
- Client-server structures and firewall systems
- Ethernet interface for STEP 7 / remote programming through Industrial Ethernet
- Configuring the Ethernet interface for SIMATIC S7 with NCM S7
- Diagnostics and troubleshooting with NCM S7 Industrial Ethernet
- Commissioning SEND/RECEIVE interface
- Configuring a TCP connection
- Programming SEND/RECEIVE blocks
- IT_CP for SIMATIC S7-300
- Advanced hardware settings at the IT_CP
- Access to the IT_CP through IE Explorer
- WinCC flexible panel configuration through Ethernet
- Communication between HMI Panel and S7 controller and IT_CP through Ethernet
- Data exchange between the panels with Smart Access
- IE Explorer communicates with panel through Smart Services

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.