

COURSE CONTENT "2 DAYS"

RFID sensor technology at PROFINET with SIMATIC S7-300

Sensor technology with the Vision Sensor SIMATIC VS120 image processing systems for form checking and Vision Sensor SIMATIC VS130-2 for code reading. RFID systems with RF180C communication module for reading and writing data to the transponder.

Prerequisites

- Basic knowledge electrical engineering / electronics
- Basic knowledge of Windows PC
- SIMATIC S7 Advance Training Course

Contents

- SIMATIC VS120 processing unit with sensor head and LED ring light
- Generating models and detecting orientation
- Measures for optimizing object recognition
- Integrating the VS120 processing unit as a device in a PROFINET I/O network
- Interfacing the SIMATIC VS120 processing unit with a SIMATIC controller using FB1
- SIMATIC VS130-2 processing unit with sensor head and LED ring light
- Reading codes or checking quality in a PROFINET environment and outputting over Ethernet
- Integrating the PROFINET I/O Device VS 130-2 in HW Config
- Assignment of the relevant interfaces of the processing unit to PROFINET I/O
- Sample program for interfacing the VS 130-2 to a SIMATIC PLC using FB79
- RF180C communication module
- RFID components through PROFINET I/O to any controllers
- Configuring the RF180C on PROFINET I/O with STEP 7
- Parameterization of the RF180C communication module
- Data structures of the FB 45
- Sample program for interfacing the RF180C to a SIMATIC PLC using FB 45

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.