

VM-OPEL based on SICAR@TIA for AUT2019 Conveyor (VM-SICARCV)

Short Description

This course is aimed at employees who use the automation concept OPEL SICAR@TIA for conveyor based on AUT2019 without sequence control and the practical use of the standard within the automotive industry.

Objectives

On completion of the course participants will understand working with SICAR@TIA for conveyor lines.

Target Group

Programmer
Commissioning
Maintenance

Content

Overview OPEL SICAR@TIA
Hardware and Software installation based on OPEL SICAR@TIA demo project
Introduction program structure and PLC project
Introduction visualization HMI project
Software:
Parameterization of operation modes and the HMI
Setup of the communication between the PLC and HMI
Introduction Tec-unit
Programming automatic and manual for small conveyor line
Creating HMI-screen with preconfigured faceplates, movement lines and diagnosis screens
Overview alarms from Tec-units
Creating general alarms with Alarm_8 blocks based on Program Alarms
Overview structure of a Tec-unit block
Overview production data
Overview user guideline
All topics are accompanied by practical exercises with PLC, HMI and the virtual demo model.

Prerequisites

SIMATIC S7 knowledge corresponding to TIA-PRO2 or TIA-SYSUP and practical PLC experience.
Knowledge of automation concepts

Note

This training is conducted with SIMATIC S7-1500 and Software SIMATIC STEP 7 based on TIA Portal V15.1, Safety Advanced and WinCC Advanced each with Update 4.
Participants must bring their own laptop with the correctly installed versions of the TIA software.
The Safety Program structure will only be briefly explained.

Type

Face-to-face training

Duration

2 days

Language

en