

VM-OPEL based on SICAR@TIA with DiagAddon (VM-SICARDG)

Short Description

This course is aimed at employees who use the automation concept OPEL based on SICAR@TIA with DiagAddOn, and the practical use of the standard within the automotive industry.

Objectives

On completion of the course participants will have an understanding of working with OPEL SICAR@TIA and DiagAddOn.

Target Group

Programmer
Commissioning
Maintenance

Content

Overview OPEL SICAR@TIA with DiagAddOn
Hardware and Software installation based on SICAR@TIA with DiagAddOn 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 of sequence programming and message blocks
Programming automatic and manual steps for a sequence
Generation of diagnosis data for HMI
Overview functionality of diagnosis screen on HMI
Overview diagnosis entry in message history
Overview movement screens for manual mode
Overview user guideline
Overview production data
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
Basic knowledge of the sequencer

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

3 days

Language

en