

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

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### Short Description

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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

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

### Target Group

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Programmer  
Commissioning  
Maintenance

### Content

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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

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

### Note

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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 5.  
Participants must bring their own laptop with the correctly installed versions of the TIA software.  
The Safety Program structure will only be briefly explained.  
Online-Training on request

### Type

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Face-to-face training

### Duration

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3 days

### Language

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