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

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### Short Description

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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

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

### Target Group

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Programmer  
Commissioning  
Maintenance

### Content

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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

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

### 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.  
This training is available as online training upon request

### Type

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Face-to-face training

### Duration

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2 days

### Language

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