

SICAR in TIA Portal

OEM: Siemens • Code: TIA-SICAR

COURSE DESCRIPTION

SICAR offers a comprehensive standardization platform for automobile manufacturers and suppliers based on the TIA Portal engineering software. In this training we teach you the contents of the SICAR framework, the function and use of the individual components as well as the integration of application-specific software. In addition, you will learn the basics of creating your own software standard based on SICAR.

AUDIENCE PROFILE

- Programmer
- Engineering personnel

PREREQUISITES

- SIMATIC S7 knowledge in TIA Portal (STEP 7 & WinCC Unified), based on TIA-PRO2 & TIA-UWCC1
- [Online entrance test](#)
- [Technical requirements](#) > VLab

Note

- Included in the course price: Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course.
- With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.
- Please take a look at the two courses before attending the course:
 - [S7-GRAPH introduction](#)
 - [SW Units introduction](#)

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- After attending the course, you can:
- Understand the content and possible uses of SICAR
- Navigate through the program structure and visualization
- Configure and parameterize the SICAR software
- Operate the visualization safely

- Understand and use the components contained therein
- Create your own TecUnits and faceplates
- Know the Alarm and Messages functionality
- Create your own Alarms and Messages
- You will deepen your theoretically acquired knowledge through numerous practice-oriented exercises in a simulation environment. This consists of a SIMATIC S7-1500 automation system with a WinCC Unified PC Runtime and an interactive 3D process simulation.

COURSE OUTLINE

Module 1: Content

- Overview and benefits of the SICAR platform
- The components and functions of SICAR
- Parameterization of operating mode areas and panel configuration
- Operating mode management
- Design and structure of the software and the visualization
- Structure and use of SICAR TecUnits and faceplates
- SICAR reporting system with ProDiag
- Diagnostic options
- Creation of your own TecUnits
- SICAR reporting system with ProDiag and stacking lights
- Consolidation of the content through practice-oriented exercises