SIEMENS

SICAR in TIA Portal (TIA-SICAR) - Virtual

General Information

Course Code	SCT-TIAOILSICAR
Global Code	TIA-SICAR
Length	3 Days
CEUs	1.9

Audience

This virtual training is designed for Programmers and Project Engineers of automotive manufacturers and suppliers.

Prerequisites

- TIA Portal Programming 2 or Virtual
- TIA Portal WinCC Comfort/Advanced Panel Configuration OR
- SIMATIC WinCC Unified & Unified Comfort Panels

Profile

SICAR offers a comprehensive standardization platform for automotive 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 application 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.

Objectives

Upon completion of this course, the student shall be able to:

- Objective 1 Style should be 5_bullet.
- Understand the content and applications of SICAR.
- Navigate through the program structure and visualization.
- Configure and parameterize the SICAR software
- Operate the visualization safely.
- Understand and use contained components.
- Create your own Tec-Units and Faceplates.
- You will deepen your theoretical knowledge through numerous practice-oriented exercises in a simulation environment. This consists of a SIMATIC S7-1500 automation system with a Comfort Panel TP1200 and an interactive 3D process simulation.

Topics

- 1. Overview and benefits of the SICAR platform
- 2. The components and functions of SICAR
- 3. Parameterization of operating mode ranges and panel configuration
- 4. Structure and structure of the software and visualization
- 5. Construction and use of SICAR TecUnits and faceplates
- 6. SICAR reporting system with ProDiag
- 7. Opportunities to diagnose errors
- 8. Creation of own Tec-Units
- 9. Deepening of the contents through practice-oriented exercises