

## VASS V6 Upgrade Workshop for OEM

OEM: Siemens • Code: CT-VAS6OEM

### COURSE DESCRIPTION

In order to provide you with the best possible support and training in your personal learning environment (own office/home office), we have implemented selected courses as digital online trainings for you. We provide you with live theory lectures from our experts, which convey the course content described in the learning objectives in a practical and comprehensive manner, utilizing our virtual exercise environment for practical exercises. In our virtual classroom, our expert is also available to you at any time during your individual practical exercises for in-depth questions and technical discussions.

### AUDIENCE PROFILE

- Commissioning engineers
- Configuration engineers
- Programmers

### PREREQUISITES

- The following requirement is essential for participation in the VASS V6 Workshop
- SIMATIC TIA Portal S7-1500 - Proficiency in the use and programming of the S7-1500 CPU as well as programming in the Safety Integrated environment. The required knowledge corresponds to the contents of the TIA-PRO1, TIA-PRO2 or the TIA-SYSUP and TIA-SAFETY courses.
- VASS Standard V05 - Knowledge of the VASS standard and/or project experience in commissioning VASS projects.
- [Technical requirements](#) > VLab

#### Note

- Notebook:
- Please bring your own notebook to the workshop. The installation of disk drives C and D is required.
- Please install the following programs (version) before the workshop

### COURSE OBJECTIVES

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

- The workshop covers the relevant programming topics of the VASS V6 standard, especially what's new since the previous version (V05), as preparation for certification by Volkswagen AG.
- This is a concise expert workshop targeting commissioning engineers of systems in the VASS V6 standard.

### Module 1: Content

- Editing projects, country settings, text lists, designations
- Project creation, safety specifics for FSEND DP FRCVDP

#### Differences in blocks compared with VASS 05

- Elimination of bit memory, DB concept
- Programming rules in LAD and Graph 7
- Rules for generating the visualization
- Compiling and error handling
- Software tools for SIMATIC Openness: OpnsToolSuite, OpenTopology, LibraryCompare
- PROFINET diagnostics of the VASS standard
- ProDiag / Alarms
- Block help
- Introduction to structure of safety program
- Generating a safety program

#### HMI: New features in the faceplates

- Settings in SiVArc
- Generating a visualization
- Manual follow-up work