

SIMOVE Carrier Control

OEM: Siemens • Code: AGV-SIMCC

COURSE DESCRIPTION

SIMOVE is the standardized system platform for AGV applications and solution of Siemens.

The SIMOVE system comprises the use of standard automation and drives components and tailored software tools and libraries.

SIMOVE enables system flexibility and scalability thanks to a modular architecture and open interfaces.

AUDIENCE PROFILE

- Commissioning engineers
- AGV programmer
- Maintenance personell
- Operator

PREREQUISITES

- Advanced knowledge of TIA Portal

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.

COURSE OBJECTIVES

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

- The complete commissioning of an AGV carrier control system.

COURSE OUTLINE

Module 1: Product version: SIMOVE Carrier Control V3.4 Upd2, TIA Portal V19

Module 2: System Overview

Module 3: SIMOVE Carrier Control

- Terminology and system description
- Manual mode: AGV free operation
- Classic track guidance: Signal evaluation via magnet sensor
- Track guidance in manual mode (semi-automatic mode)
- Track guidance in automatic mode
- Position detection using RFID
- Identification point database (response to position-specific parameterization)
- Release evaluation: Stop at an IdentPoint and wait for the release by the fleet control system
- SIMOVE Control App: Remote-controlled movement of the AGV via smart phone
- Preparation for laser-based navigation using SIMOVE ANS+