SIEMENS

SIMOVE Basic Training (AGV-SIMO-B)

Short 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.

Objectives

The complete commissioning of an AGV including carrier control and laser-based navigation.

Target Group

- Commissioner
- AGV programmer
- Maintenance personell
- Operator

Content

Product version: SIMOVE Carrier Control V3.3 Upd2, SIMOVE ANS+ V2.0, TIA Portal V17
System Overview
SIMOVE Carrier Control
- Terminology and system description
- Manual mode: AGV free operation
- Classic track guidance: Signal evaluation via maget sensor
- Track guidance in manual mode (semi-automatic mode)
- Track guidance in automatic mode
- Position detection using RFID
- IdentPoint database (response to position-specific parameterization)
- Release evaluation: Stop at an IdentPoint and wait for the release by the fleet control system
- Manual movement via the SIMOVE Remote Control app
- Preparation for laser-based navigation using SIMOVE ANS+
SIMOVE ANS+ (Advanced Navigation System Plus) with the ANS+ Engineering Tool
- Terminology and system description
- Commissioning for laser-based navigation
- Map engineering
- Path engineering
- Parameterization of features for position determination
- Ostacles Avoidance and free path planning

Prerequisites

- Advanced knowledge of TIA Portal

Note

Wearing your own safety shoes during the course is mandatory!

Type

Face-to-face training

Duration

4.5 days

Language

en