

Application-Based Training for Stacker Cranes (AP-ASRS-CZ)

Présentation

This training focuses on the implementation of a Stacker Crane application using SINAMICS S/G Drives and a SIMATIC S7-1500 Controller. With the help of the ASRS: Stacker Crane Application Guidelines and the SIMATIC Modular Application Creator, participants will learn how to efficiently dimension and configure the system. The solution enables automatic generation of a complete TIA Portal project, including all necessary technology objects (or Basic Positioner), program logic, library sources, and configuration settings for commissioning. An example HMI is also provided to offer a clear visual representation of the configuration.

Objectifs

To familiarize participants with the Stacker Crane application in an Automated Storage and Retrieval System (ASRS), covering product usage, sizing, configuration, functionality, commissioning and maintenance.

Groupes cibles

Engineers involved in: Design, Programming, Commissioning, Service, Maintenance

Programme / Contenu

- Overview of Stacker Crane types and product portfolio
- Specification and inquiry sheet preparation
- Standard system configurations with schematic diagrams
- Dimensioning using the TIA Selection Tool
- Introduction to the Application Toolbox and implementation of selected add-on functions like:
 - Safety Integrated – library for ASRS
 - Oscillation Damping (VIBX)
 - Peak Power Management
 - Energy-Optimized Motion Profiles
- Operation of the Stacker Crane Digital Twin in a Virtual Lab
- Pre-commissioning guidelines and hardware configuration in TIA Portal
- Project generation and commissioning using the Modular Application Creator
- Parameter checking and configuration
- Motion and functionality testing on a real model, virtual HMI, trace recording, and diagnostics
- Drive optimization, troubleshooting and maintenance best practices

Remarque

This course is available on request. Starting from 4 Participants! We deliver the courses in either Czech or English. The price per person and per course is 17,600 CZK.

Type

Formation en salle

Durée

2 Jours

Langue

en

Prix

17600 CZK