



Training Description

Control Technology with MOVI-PLC® - motion control

MOVI-PLC® DHP11B/DHx41B, the control card for MOVIDRIVE® B drive inverters with integrated PROFIBUS-DP interface, combines Motion and PLC functions close to the drive.

Finding and programming solutions for different control tasks in the individual standardized programming languages according to IEC 61131 (KOP, FUP, AWL, ST, AS).

The seminar is for participants with PLC programming knowledge. It focuses on the connection to drive inverters and provides an extensive introduction of the single axis motion subject matter.

Target group: Maintenance staff, startup and repair staff, designers, project planners
With PLC experience

Seminar objectives:

Participants will be able to:

- Solve control tasks using the MOVI-PLC® controller
- Establish communication between the SEW MOVIDRIVE® drive inverter and the MOVI-PLC® controller
- Control the drive with function blocks of the MPLCMotion library
- Program complex applications and start them up

Contents:

- Presentation of the MOVI-PLC® control card DHP11B
- MOVITOOLS® MotionStudio
- PLC Editor
- Prepare and program solutions for different control tasks in the individual programming languages of the IEC61131-3
- Diagnostics and troubleshooting options
- Introduction of the MPLCMotion library for MOVI-PLC®
- Establish communication between MOVI-PLC® and MOVIDRIVE® drive inverters
- Practical exercises using the function blocks of the MPLCMotion library
- Create a Motion project with various operating modes
- Create a project with the AxisControl application

Requirements: Completion or knowledge level of the seminar "Control Technology with MOVI-PLC® Basics" or PLC programming skills
MOVIDRIVE® knowledge

Methods: Educational dialogs, practical exercises

Location: SEW

Duration: 2 days

Max. participants: 6