



## Training Description

### Control Technology with MOVI-PLC® – Basic course

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.

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

Participants without prior PLC or IEC knowledge will learn about exemplary applications to IEC 61131 in this seminar. At the end of the training, the MOVI-PLC® single axis motion will be introduced.

**Target group:** Maintenance staff, startup and repair staff, designers, project planners

**Seminar objectives:**

**Participants will be able to:**

- Solve simple control tasks using the MOVI-PLC® controller
- Establish a communication between the MOVIDRIVE® drive inverter and the MOVI-PLC® controller
- Start up a simple single axis motion

**Contents:**

- Presentation of the MOVI-PLC® control card DHP11B /DHx41B
- Introduction to IEC-61131-3 programming
- MOVITOOLS® MotionStudio
- PLC Editor
- The different programming languages in IEC 61131-3
- 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

**Requirements:** Basic PLC and MOVIDRIVE® knowledge

**Methods:** Educational dialogs, practical exercises

**Location:** SEW

**Duration:** 3 days

**Max. participants:** 6