



## Training Descriptions

### Drive systems with MOVIDRIVE® B – Functionality, parameter setting and programming

This training will introduce the entire range of the MOVIDRIVE® inverter. You will be qualified to adapt MOVIDRIVE® to the respective application according to your specifications.

**Target group:** Repair engineers, construction engineers, project planners

**Seminar objectives:**

**Participants will be able to:**

- Select the different operating modes of the MOVIDRIVE®
- Inverter depending on the application
- Select motors and encoders according to the application
- Startup the inverter in the different operating modes
- Parameterize the inverter
- Diagnose faults and eliminate them
- Use the different options of the inverter depending on the application
- Startup the inverter for fieldbus operation, control it via fieldbus
- Diagnose faults
- Program the inverter with IPOS<sup>plus</sup>®
- Startup of the absolute encoder
- Startup application modules
- Parameterize the inverter for communication and use the different
- Communication services
- Startup of the internal synchronous operation
- Connection to the MOVI-PLC® controller

**Contents:**

**1. day**

- Overview of options, components and accessories
- Overview of motors, brakes and encoders
- Introduction of the MOVITOOLS® MotionStudio system software
- Startup in VFC operating mode
- Important parameters and their setting options
- Fault diagnostics with MOVITOOLS®Shell and SCOPE function

**2. day**

- Manual operation of the inverter
- Using the DBG60B keypad
- Startup in VFC-n control mode
- Startup in CFC operating mode
- Diagnostic option fieldbus monitor
- Fieldbus option card using the example of DFP21B
- Master/slave function
- Testing the participants' knowledge in the training system

**3. day**

- Introduction in EMC
- Startup of a synchronous servomotor (optional)
- Introduction to the IPOS<sup>plus</sup>® positioning and sequence control
- Practical programming exercises with IPOS<sup>plus</sup>®
- Startup of an absolute encoder
- Startup of an application module

**4. day**

- Communication option of the basic unit via SBus and RS-485
- MOVILINK<sup>®</sup> command
- SCOM command for data exchange via SBus
- ISYNC technology function
- Selecting the inverter on the basis of a project planning example

**5. day**

- Connection to MOVI-PLC<sup>®</sup>

<b>Requirements:</b>	Electrical engineering basics
<b>Methods:</b>	Educational dialogs, practical exercises
<b>Location:</b>	SEW
<b>Duration:</b>	5 days
<b>Max. participants:</b>	6