



PT 245 | SILworX[®] - HIQuad X[®] Combination of Engineer part 1 plus basics in communication

TrainingFacts

Engineering HIQuad X-Systems with SILworX

The HIQuad X system is programmed and configured using the SILworX programming tool.

The course starts with an introduction of system family HIQuad X and options for implementation and operation. Then the handling of SILworX will be discussed extensive in all major parts.

Here the participants will get a deep understanding starting with programming techniques via generation of project up to test and diagnosis possibilities. Also the implementation of safety requirements will be discussed in detail. Training will be supported by practical exercises using projects in HIQuad X systems.

Upon successful completion, every participant will be able to generate projects in SILworX and implement HIQuad X systems on-site. Also trainee will learn about basic configuration for communication between HIQuad X systems and will set up a standard Modbus communication.

Participant Certificate only for part “SILworX Engineer part 1”

For creation of a certificate the participation and successfully passing of a test at the end of the seminar is necessary.

Duration:

4,5 days, beginning Monday, 12:30 ending Friday, 15:00

Number of participants: minimum 4, maximum 10

Registration: <https://www.hima.com/en/products-services/seminars/>

Contact: training@hima.com

Course Content

HIQuad X

- Redundancy concepts
- Power supply
- Structure of base-rack
- System bus
- I/O redundancy
- Safety-concept
- Module replacement
- Diagnosis during operations
- Procedures in the event of a fault

SILworX

- Essentials of IEC 61131-3 basic standard
- Structure of projects
- Program structure
- Simple modifications
- Code generation
- Loading and starting PES
- Online functions
- Forcing of signals
- Diagnosis options
- safety parameters
- Documentation
- Revision compare