PT 245 | SILworX® -HIQuad X® Engineer plus communication basics

TrainingFacts

Presence Training

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 and are able to independently engineer and operate the communication between HIQuad X systems and between HIQuad X systems and third-party systems.

Participant Certificate for "SILworX-HIQuad X Engineer"
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, 13:00   ending Friday, 16:00
Number of participants: minimum 2, maximum 12 participants

Registration: http://academy.hima.com
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
- Definition of resource types
- Program structure
- Programming exercises
- Testing in offline simulation
- Communication to the system
- Code generation
- system loading and starting
- Online functions
- Forcing of variables
- Diagnosis options
- safety parameters
- Documentation
- Version compare
- Basics of communication with safeethernet / Modbus