HIMA ACADEMY

PT 208 | SILworX®-HIMax® & HIMatrix® Combination for Engineer

TrainingFacts

Presence Training

Engineering HIMax and HIMatrix systems with SILworX

The HIMax and HIMatrix system is programmed and configured using the SILworX programming tool.
The course starts with an introduction of both system families HIMax and HIMatrix and also 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. The different configurations of both system families will be also an item of discussion as well as the combination of both systems within one project.
Also the implementation of safety requirements will be discussed in detail. Training will be supported by practical exercises using projects in HIMax and HIMatrix systems.
Upon successful completion, every participant will be able to generate projects in SILworX and implement HIMax systems on-site.

Course Content

HIMax and HIMatrix

- Redundancy concepts
- Modular, compact and Remote I/O modules
- Power supply
- System bus
- I/O redundancy
- First start-up
- Module replacement
- Diagnosis during operations
- Procedures in case 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

Participant Certificate for “SILworX-HIMax&HIMatrix 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