



PT 210 | SILworX[®] - HIMatrix[®] Engineer part 1 for Rail

TrainingFacts

Engineering HIMatrix systems with SILworX for Railway applications

The HIMatrix system is programmed and configured using the SILworX programming tool for railway applications.

The course starts with an introduction of system family HIMatrix 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 HIMatrix systems.

Upon successful completion, every participant will be able to generate projects in SILworX and implement HIMax systems on-site.

Course Content

HIMatrix

- Modular and Compact Systems
- First start-up
- Device or 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

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:

3,5 days, beginning Monday, 12:30 ending Thursday, 16:30

Number of participants: minimum 4, maximum 10

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

Contact: training@hima.com