



## PT 420 | ELOP II Factory<sup>®</sup> - HIMatrix<sup>®</sup> Maintenance

# TrainingFacts

### Operating HIMatrix systems and correcting faults

The HIMA system family HIMatrix is configured and programmed using the ELOP II Factory programming tool. The first part of training presents the HIMatrix system family and the usage and operation options associated with it. The use of ELOP II Factory in all areas relevant to operation and troubleshooting is discussed in detail during the second half of the course. The participants receive a thorough overview of how to manage existing projects, from the project creation to testing and diagnostic options. Practical exercises with HIMatrix system projects are used to facilitate learning.

Upon successful completion of training, the participants will be able to work on existing projects, and to find and correct faults.

### Course Content

#### HIMatrix

- Power supply
- Modular / compact system
- Remote I/O modules
- Connection to I/O modules
- Commissioning
- Communications overview
- Safety concepts for I/O modules
- Module replacement
- Diagnosis during operations
- Procedures in the event of a fault

#### ELOP II Factory

- Essentials of IEC 61131-3 basic standard
- Structure of projects
- Program structure
- safeethernet as standard
- Communication to PES
- Code generation
- Archiving and restoration
- Loading and starting PES
- Online functions
- Forcing of signals
- Diagnosis options
- safety parameters
- Documentation

#### Duration:

2 days, beginning Tuesday, 08:30 ending Wednesday, 16:30

**Number of participants:** minimum 4, maximum 10

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

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