

System Training

ELOP-II Factory Engineer

Aim:

This training course provides the participant with all knowledge which is necessary for a programmer as a good basis for independent programming and operation of a HIMatrix PES.

Prerequisites:

Basic knowledge of electrical and digital functions, knowledge of personal computer (Windows 2000, Windows XP)

Training course contents:

- Installation of ELOP-II Factory
- Norm IEC 1131-3, description of functions and function blocks
- Configuration, libraries, resource types
- Configuration of resources
- Implementation of I/O modules, connection of variables to I/O modules
- System overview and design of the HIMatrix PES
- Functions of central and I/O modules and compact units
- Structure of ELOP-II Factory
- Offline simulation of user programs
- Code generation of user programs
- Online test functions: loading, signal tracing, user handling and diagnostics
- Change of modules / demonstration of Service PDA
- Function blocks of HIMA
- Data communication Ethernet
- Programming exercises
- Copy of objects, archiving and backups of projects
- Safety functions and fault reactions
- Layout and compiling of documentation print-out
- Notes for the operation of a safety-related PES
- Definition of a Proxy Resource (safety related communication between two different projects)
- Signal definition for MODBUS communication

Duration: 4 days



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