ELOP II Engineer with HIQuad

TrainingFacts

Engineering HIQuad systems with ELOP II

This course will focus on the ELOP II programming tool. Since this tool is used with the HIQuad product family, the first portion of the course will focus on familiarization with HIQuad.

Students will learn how to configure and use HIQuad systems including onboard diagnostic capabilities. The balance of the course will focus on the ELOP II tool itself. By the end of the course, students will be able to create, develop, and test ELOP II programs. This includes hardware and software configuration capabilities and the use of the IEC 61131 programming methodologies.

The diagnostic capabilities of ELOP II will be explored and students will learn how to use those capabilities to troubleshoot the hardware and the application. Students who successfully complete the training will be able to create, implement, and support ELOP II programs on HIQuad systems.

Course Content

HIQuad
- Redundancy concepts
- Power supply
- Structure of I/O rack
- I/O redundancy
- Central modules
- Communication modules
- Module replacement
- Diagnosis during operations
- Procedures in the event of a fault

ELOP II
- Essentials of IEC 61131-3 basic standard
- Structure of projects
- Definition of resource types
- Program structure
- Programming exercises
- Testing in offline simulation
- Communication to PES
- Code generation
- Archiving and restoration
- Loading and starting PES
- Online functions
- Forcing of signals
- Diagnosis options
- safety parameters
- Documentation

ELOP II ENGINEER WITH HIQUAD

Dates in 2018

Date	Location	Country	Language
Apr 9-12	Houston, HIMA Americas	United States	English
Oct 8-11	Houston, HIMA Americas	United States	English

Participation Profile
- Engineering managers
- Maintenance personnel
- Unit engineers

Participation Requirements
- Knowledge of Windows-based programs
- Knowledge of logic elements
  Basic experience in programming with a programmable logic controller is advantageous

Theory and Practice
The course contains both theoretical and practical components. During practice sessions, every two participants will have a test system available (programming system and hardware).

Custom Training
- Customer applications can be used as programming examples
- Courses can be conducted on-site
- Course focus can be tailored to individual groups (content, duration)
- Price upon request

Additional Training Opportunities
SILworX® Engineer with HIMax® and HIMatrix®
Maintenance SILworX® (HIMax®)
Maintenance ELOP II (HIQuad)
Functional Safety Engineer (TÜV Rheinland)

Duration
4 days
Start: 8:30 AM
End: 4:30 PM

Number of participants
- Min. number of participants: 4
- Max. number of participants: 8

Cost for 2018
- $2,500 per person

Services
- Paper copies of training documentation
- Electronic back-up of training projects
- Refreshments and lunch

Registration and Contact

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