

Advanced System Training

Choice of on-site or HIMA training facility locations

Aim

This course provides a complete overview of the safety lifecycle of a Programmable Electronic System (PES). It provides training on hardware and communication configurations including system architectures and maintenance along with the configuring, loading and modifying of a HIMA PES application program.

Duration

4 days

Cost per head - HIMA training facility

\$2,800 per person

Total cost - site based training.

\$24,000

Note: maximum of 8 students per course



Advanced system training: course contents

Day 1

- Introduction to HIMA hardware
- Functional Safety Overview
- HIMA SIS Technology and HiQuad Components
- IEC 61131-3
- Introduction to ELOP II or SILworX

Day 2

- Offline Simulation
- Introduction to IO Types
- Hardware Management & System Variables
- Code Generating, Loading and Reloading, Erasing Application
- Programming Exercise

Day 3

- Online Test
- Archive and Restore
- Importing and Exporting Variables, IO and Communications
- Code Comparator and Revision Management
- HiQuad System Diagnostics

Day 4

- System Maintenance
- Operating System Upgrades
- Communications
 - o MODBUS
 - o OPC
 - o SOE
 - SafeEthernet
 - o HIPRO-S

Training tailored to suit your application



Maintenance and Troubleshooting Course

Courses delivered by experienced HIMA TÜV Engineers

Aim

This training course provides the participant with the skills and knowledge to monitor and maintain a HIMA safety system.

Duration

2 days

Cost per head - HIMA training facility

Price per head \$1,400

Total cost - site based training

\$13,500

Note: maximum of 8 students per course



Maintenance and troubleshooting course contents:

Day 1

- Introduction to HIMA hardware
- Functional Safety Overview
- HIMA SIS Technology and HiQuad Components
- Configuration, libraries, resource types, data types
- Structure of system software and projects
- Offline-Test and code generation of user programs

Day 2

- Loading and starting of the HIMA Safety System
- Online-Test, forcing of I/O circuits
- Forcing of signals
- Exchange of modules during operations
- HiQuad System Diagnostics

Attendees receive certificates and course manuals



General Course Information

Site course – one fixed cost for up to 8 people

Prerequisites

- Experience using MS Windows operaing systems and software
- · Ability to comprehend P&ID drawings
- · Understanding of digital logic

Location

Training courses are delivered at our training centres in Perth, Melbourne or Brisbane. Alternatively site based courses can be arranged to maximise staff availability.

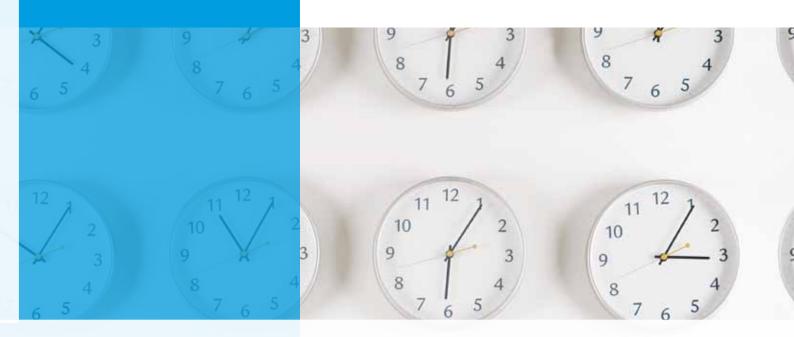
Availability

Please visit www.hima.com.au for the latest course schedule, although dates are generally flexible and we can usually cater around a working day of your choice. Please allow at least two weeks notice to confirm a course date in Perth and three weeks notice elsewhere.

HIMA based training

Courses held at HIMA training centres include:

- Provision of training systems
- Documentation
- Lunch and refreshments



Site based training requirements

For on-site training, HIMA requires the client to provide:

- Quiet and secure training room
- PC work stations (two students per PC)
- Data projector (1280 x 1024 resolution)
- Lunch and refreshments
- Large whiteboard

Contact details

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