

# HIMA Consulting Training

## C 001 - Introduction to functional safety (0.5 day)

This course is designed to raise awareness of functional safety.

### Key elements

- Introduction to functional safety
- The legislative framework
- Accidents and prosecution in the sector
- Overview of relevant standards (IEC61508 and IEC61511)
- Functional safety management
- Operations and maintenance requirements, including proof testing
- Change management

## C 002 - Functional safety for managers and engineers (1 day)

This course is designed to 'set the scene' for managers and engineers who may come into contact with functional safety.

### Key elements

- Background
- Introduction to functional safety
- The legislative framework
- Accidents and prosecution in the sector
- Overview of relevant standards (IEC61508 and IEC61511)
- The safety lifecycle
- Functional safety management
- Hazard identification and risk analysis
- Design of safety related systems
- Verification and validation
- Operations and maintenance requirements, including proof testing
- Change management
- Configuration management
- Functional safety audits and assessments
- Competence management

Note: a 2 day course is also available

## C 003 - Functional safety for technicians (2 days)

This course is designed for technicians involved in operating or maintaining safety related systems

### Key elements

- Background
- Introduction to functional safety
- Accidents in the sector
- The safety lifecycle
- Functional safety management
- Hazard identification and risk analysis
- Operation
- Proof testing
- Maintenance and inspection
- Management of change and impact analysis
- Management of overrides
- Recording of plant maintenance
- Plant modifications

## Who should attend ?

- Project managers
- Managers
- Engineers
- Operators
- Technicians
- Personnel wanting to familiarise themselves with functional safety

## Course details

In-house and customised courses can be provided.

For a full list of our training courses and dates visit:

[www.hima.com.au](http://www.hima.com.au)



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For further information or to register email: [training@hima.com.au](mailto:training@hima.com.au)