# HIMA Consulting Training

## C 004 - Machinery safety (1 day)

This course is designed to provide an understanding of legislation, guidelines, standards and available technologies relevant to machine safety. It is also relevant to technicians maintaining or modifying safety systems, and importers and distributors of plant and machinery.

Key elements

- Introduction to machinery safety
- The legislative framework
- Accidents and prosecutions in the sector
- Overview of relevant standards (IEC 62061 and ISO 13849)
- The safety lifecycle
- Risk assessment requirements
- Categories, performance levels and SILs
- General safety system design
- The Emergency Stop
- Guards and interlocks
- Dealing with unexpected start up
- Verification and validation
- Operations and maintenance
- Change management

Note: a 2 day version of this course is available

## C 005 - Introduction to Cyber security (0.5 day)

This course is designed to raise awareness of cyber security for personnel involved with Industrial Control Systems.

Key elements

- Introduction to cyber security
- Cyber security incidents
- Relevant standards
- The cyber security lifecycle
- Differences between cyber security for Industrial Control Systems and IT Systems
- Establishing an Industrial Control System security program
- Securing a typical Industrial Control System

## C 006 - Functional safety in the rail industry (2 days)

This course is designed for engineering and development teams working with railway functional safety.

Key elements

- Background
- Introduction to functional safety
- Scope of the rail safety standards
- The international engineering safety management handbook (iESM)
- The safety lifecycle
- EN50126 (IEC 62278) – RAMS
- EN50128 (IEC 62279) – Software
- EN50129 (IEC 62425) – System safety

## Who should attend?

- Project managers
- Managers
- Engineers
- Operators
- Technicians
- Personnel wanting to familiarise themselves with machine safety, cyber security or rail 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

HIMA SAFETY NONSTOP

For further information or to register email: training@hima.com.au