



An introductory course in managing functional safety



Should I worry about functional safety management?

How would you answer the following questions?

- Does my business involve the risk of harm or damage associated with chemical processes, fuel fired heaters or with hazardous machinery?
- Do we rely on automated safety systems to reduce the risks associated with the hazards?
- Am I accountable for the effectiveness of automated safety systems in some way, and do my decisions affect other people's safety?
- How can I demonstrate that I have done enough to fulfil my duty of care?

If you answer 'yes' to the first three questions and are not completely sure about the last question, then this course will be relevant to you.

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Overview

Functional safety is about applying automated safety functions to implement risk reduction for hazardous scenarios.

In practice most problems in achieving functional safety are not technical, they stem from uncertainty in roles, responsibilities and interfaces within and between organisations.

Functional safety needs good management just like any other engineering activity. Imagine a project without project management.

Teams working on functional safety need to have a clear understanding of their responsibilities and objectives. They need simple, efficient and robust work processes. This course provides the basic knowledge and understanding that leaders need to be effective in managing functional safety.

Objective

The ultimate objective of this course is to enable managers to demonstrate due diligence in their duty of care. This means that they need to show that they have taken reasonable steps in applying appropriate standards and practices in managing hazards in the workplace.

Half-day or full-day course option

This one-day course is structured as two separate half-day courses. The first half is a stand-alone introduction into what is meant by 'functional safety', why it might be necessary, and the vital role of managers in achieving safety. The second half of the course concentrates on how effective risk reduction can be reliably achieved by applying functional safety.

Target audience

The course is designed for professional engineers, managers and team leaders who rely in some way on automated safety systems to reduce the risks associated with process hazards.

Typical applications include automated emergency shutdown of chemical processes, fuel fired heaters or of hazardous machinery.

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I&E Systems

I&E Systems has specialised in engineering functional safety systems for process safeguarding since its inception in 1991. We have a thorough understanding of IEC 61508 and IEC 61511 and we apply these standards in a simple and effective manner.

I&E Systems was the first engineering consultancy in the world to achieve TÜV Rheinland FSM certification for functional safety management in safety related systems integration.



Presenter

Mirek Generowicz is the Principal Consultant at I&E Systems. He first started working with functional safety systems in 1986. Mirek worked in engineering management from 1992 through to 2018, focusing particularly on design integrity and quality management.

Mirek specialises in independent functional safety assessment and audit for end-users. Since 2004 he has carried out more than 40 functional safety audits and/or assessments for a wide variety of major SIS applications around the world. He was accredited by TÜV Rheinland as a FS Engineer in 2005 and as a FS Expert in 2012.

Course Schedule and Fees

The course schedule and course fees are listed on the registration form below.

I&E Systems also provides TÜV Rheinland FS Engineer certificate courses.

Those courses are held over 5 days, including assessment for the certificate.

Contact training@iesystems.com.au for further details.



Registration Form

2022 FSM Training Courses

Company Name				
Address				
City	State	Postal Code	Country	
Contact name				
Phone		Email		

Attendee 1

Name	
Email Address	

Attendee 2

Name	
Email Address	

Number of students	Date	Course	Price AUD	Total
	6 Oct – 7 Oct 2022 8am – 1 pm UTC + 8 hours	Functional Safety Management – full course ON LINE or face-to-face in Perth, Western Australia 2 x 4.5 hours	\$1000	
	6 Oct 2022 8am – 1 pm UTC + 8 hours	Functional Safety Management – first half only, ON LINE, or face-to-face in Perth, Western Australia 4.5 hours	\$500	
		Include credit card fee if required - \$100	TOTAL	

Payment method:

Send Invoice: PO Number	_____
EFT Transfer: Please pay to: I&E Systems Pty Ltd	064-000 10793676 SWIFT CTBAU2S
Credit card: Additional processing fee of \$100 applies – Mastercard / Visa / Amex	

Notes:

- Payment must be received prior to commencement of course. If the course minimum is not reached, you can select to have your course fee refunded, or your booking changed to another date.
- A discount of 10% will be applied for 3 or more attendees from the same company, or 5% for 2 attendees.

Please return completed form to training@iesystems.com.au

ABN 46 069 813 958