

# Functional Safety for End-users

The objective is to provide participants with elementary and necessary knowledge about functional safety based on international standards IEC 61508 and IEC 61511.

**Course Code** SFEU

**Duration** 2 days

**Max Class Size** 12

**Prerequisite** Participants should have an affinity with industrial safety.

Who should attend this course?

Architectural and/or Basic Designers, Lead Engineers, Project Engineers, System Engineers, Application Engineers, Site Engineers and Project Managers involved in safety projects.

## Day 1

- General introduction
- Module 1: Introduction to Functional Safety
- Module 2: International safety standards IEC 61508 and IEC 61511
- Module 3: HAZOP - SIF - SIL
- Module 4: Safety Engineering

## Day 2

- Module 5: Functional Safety Management
- Module 6: Failures and hardware fault tolerance
- Module 7: Common cause influences and other failure types
- Module 8: Safety calculations