



▶ Safety Design incorporating EN ISO 13849-1/EN 62061

Training Objective

The aim of the training is to enable delegates to develop a greater understanding of the processes and standards related to safety control systems specification, design and validation.

The Software-Tool Safety Calculator PAScal will be utilised during the course. Using PAScal, the SIL and PL of alternative solutions can be simply and quickly calculated and the results evaluated for cost efficiency.

Training Contents

This course covers how the new standard for safety related control systems EN ISO 13849-1 is applied in automation and machinery design. The standard EN 62061 is also introduced.

Topics include:

- ▶ Introduction of safety regulations and standards
- ▶ Safety control system standard EN ISO 13849-1
- ▶ Safety control system standard EN 62061
- ▶ Detailed review of principles for design of safety related control systems
- ▶ Calculation of Safety Integrity Level (SIL) and Performance Level (PL)
- ▶ Use of PAScal Safety Calculator

Target Groups

- ▶ Automation, Electrical, Maintenance and Project Engineers, Automation Managers, Maintenance Managers and Safety Specialists

Note

In conjunction with this course, we are offering the Safety Calculator PAScal for a special price of £175, including software licence.

What you can expect

- By the end of the course, the participants will
- ▶ be aware of the relevant standards related to safety control systems
 - ▶ understand the necessary process from assessment to validation when designing or modifying safety related control systems
 - ▶ understand the key architectural structures and alternatives in detailed safety control system design, with practical examples of their application
 - ▶ learn how to calculate the critical parameters related to safety control systems design to achieve the desired Performance Level

Online Information
and Registration:

 Webcode 2801

www.pilz.co.uk



	Pilz Training Centre, Corby	In-House Training at your Premises
Course Reference	010013T	010013T
Duration	1 Day 9:00 – 17:00	1 Day 9:00 – 17:00
Max. Delegates	max. 10 People	max. 10 People (dep. on facilities)
Price	£200 plus VAT per Person (min. day rate of £800 plus VAT for company specific courses)	£250 plus VAT per Person plus travel expenses (min. day rate of £1000 plus VAT plus travel expenses)
Course Dates	See schedule overview or www.pilz.co.uk/services	By arrangement