Design of Safety Control Systems According to ISO 13849 and IEC 62061

Advanced

Course Accreditation
+ Equivalent to 7 hours of CPD

The CPD Standards Office
CPD PROVIDER: 21955
2025-2027
www.cpdstandards.com

Objective

The objective of the training is to put across to you the processes and standards that are important in the design and evaluation of safety-related control systems. This training addresses how EN ISO 13849-1 (standard for safety-related control systems) is applied in automation and in the design of plants. In addition, we introduce you to the requirements resulting from the EN 62061 standard.

Contents

- Safety regulations and standards (introduction)
- Standards for safety-related control systems
  - EN ISO 13849
  - EN 62061
- Detailed overview of the design principles for safety-related control systems
- Calculation of the safety integrity level (SIL) and performance level (PL)

Target groups

- Developers, design engineers, safety officers and planners in plant and machine engineering and control and automation technology

Note

Participants in this training course can purchase the full version of the PAScal Safety Calculator from us at the discount price of £200 including software licence.

Benefits to you

+ Detailed evaluations from safety design
+ Main architectures and alternatives in the design of safety-related control systems, including practical examples
+ Advantages of a structured concept for the design of safety systems
+ Tried-and-tested methods for your machine design
+ Specific implementation of your requirements with aid of PAScal
+ Individual advice regarding your questions



Note: *Most Pilz UK courses, including this one, can be hosted at external locations. Travel expenses for the trainer would be included in the cost.*

Course Details:

Duration:	**1 day** 9:00 – 17:00
Fee:	**£500+ VAT per person** (Plus travel expenses, if course is run off-site.)
Number of participants:	Up to 10