

# Introduction to ISO 13849, Safety of machinery – Safety related parts of control system

## Skills You Will Learn:

- Understand the scope and general concept of ISO 13849
- Meaning of the ISO 13849 for the machine directive 2006/42/EG, CE marking
- Apply the standard to the design of safety related parts
- Meaning of Category Performance Level, MTTF, DC, CCF.....
- Get the basic knowledge to be prepared for the specialized further training modules

## Course Topics:

- Introduction to Functional Safety
- Safety Functions in the scope of ISO 13849, Safety Integrity
- Risk Reduction and estimation of Performance Level
- Probability of failures, diagnostic coverage
- Categories and designated architectures
- Fault exclusion principle
- Meaning of Functional Safety Management and Safety Lifecycle
- Software Requirements
- Verification and Validation (overview)

## Who Should Attend?

- Development Engineers (System, Hardware and Software)
- Product Managers,
- Project Leaders of safety related machinery developments
- Managers/ decision takers / budget responsables
- Quality managers

- Duration:** 1 day
- Language:** Can be chosen between German or English, training material will be in English
- Location:** *exida.com* GmbH office  
Prof.-Messerschmitt-Straße 1  
D-85579 Neubiberg / Germany
- Certificate:** Each participant gets a letter of attendance.

For more information, please contact:

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