

Basic principles of Functional Safety acc. to IEC 61508

Introduction to the key principles and requirements of functional safety.

 Seminar	 2 Termine verfügbar	 Teilnahmebescheinigung
 Präsenz / Virtual Classroom	 8 Unterrichtseinheiten	 Online durchführbar

Seminarnummer: 07277

Stand: 31.01.2026. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/07277>

Gain a comprehensive introduction to the key principles and requirements of functional safety in compliance with IEC 61508. This seminar provides practical insights into safety standards, enabling companies to design and develop products and systems that meet safety and compliance requirements. By the end of the seminar, you will have a clear understanding of the principles and requirements of functional safety.

Nutzen

- Understanding safety requirements: Gain valuable insights into the key requirements for critical-safety components.
- Plan development processes efficiently: Accurately estimate the effort required for safety functions and align development processes with relevant standards.
- Confidently apply standards: Learn how to effectively implement and align development processes with functional safety standards, including IEC 61508.
- Effectively use key figures by understanding safety-related parameters (e.g., SIL, PL) and their importance. Reduce product liability by gaining a solid understanding of legal requirements and standards, such as EN ISO 13849-1.

Zielgruppe

Developers, marketing and sales professionals, product managers, project managers, quality managers, testers, and executives involved in safety-critical product development.

Inhalte des Seminars

- Contents of IEC 61508
- risk analysis
- Risk graph according to IEC 61508-5
- Management and assessment of functional safety
- Definition of life cycle phases
- Safety-related parameters
- SIL CL Structural requirements for subsystems
- Product liability
- Standards for machine safety EN ISO 13849-1 –
- Scope Determination of the PL achieved for a safety function
- EN 62061 – Scope
- Documentation

Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/07277> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
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