

COMPREHENSIVE AUTOMOTIVE FUNCTIONAL SAFETY TRAINING

 **4 Days**

What to expect?

- Holistic overview of Functional Safety in the automotive industry
- Ways of working to apply ISO 26262
- Dos and don'ts from experts with more than 10 years of experience with international OEMs and TIER-1s

Why attend?

- Understand the impact of Functional Safety to product and project lifecycle
- Ensure product development according to state-of-the-art
- Avoid common mistakes and failures related to Functional Safety in advance

Who is this training targeted to?

Engineers and Developers who

- Need to understand how Functional Safety impacts their daily work
- Need to define and implement Functional Safety concepts
- Need to provide evidences for ISO 26262 compliance

Managers who

- Needs to understand the impact of Functional Safety in projects and companies
- Needs to provide a framework that enables Functional Safety-compliant development
- Needs to integrate Functional Safety into a company's process landscape



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Content

Introduction and Motivation

- Need of Functional Safety
- History of Functional Safety
- Safety in context of Liability

Overview ISO 26262

- Structure of ISO 26262
- Reading and interpreting ISO 26262

Functional Safety Lifecycle

- Areas of Functional Safety
- Impact of Functional Safety to Project and Product lifecycle

Functional Safety Management

- Functional Safety on Organizational Level
- Functional Safety on Project Level
- Functional Safety for Supporting Processes

Functional Safety Development

- Item Definition, HARA and Concepts
- Functional Safety on System Level
- Functional Safety on HW Level
- Functional Safety on SW Level
- Functional Safety V&V

Relation to industry standards

- Functional Safety and ASPICE
- Functional Safety and Cybersecurity
- Functional Safety and SOTIF



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