



Functional Safety Leadership and Compliance Management Training Course

15 – 19 August 2027
Chicago



Functional Safety Leadership and Compliance Management Training Course

Ref: 1337_198834 **Date:** 15 – 19 August 2027 **Location:** Chicago **Fees:** 12000 Euro

Overview

Functional Safety Leadership and Compliance Management Training Course is a one-week advanced course for functional safety leaders, engineering managers, assurance teams, compliance personnel, and technical decision-makers who leave with a Functional Safety Governance File. Participants connect IEC 61508, IEC 61511, and ISO 26262 applicability, safety lifecycle governance, competence, assurance evidence, supplier oversight, change control, assessment, and audit readiness across industrial and automotive contexts. Agile Leaders Training Center presents functional safety leadership as lifecycle accountability.

Who Should Attend

- Functions responsible for functional safety policy and accountability
- Teams responsible for safety-related system assurance
- Personnel responsible for competence and independent review
- Functions responsible for supplier and configuration governance
- Leaders responsible for compliance evidence and audit readiness

The course assumes participants already manage engineering, assurance, compliance, systems, or supplier decisions, and it leaves out introductory control engineering, certification preparation, and auditor credentialing.

Departments and Industries

The course supports departments and industries that govern safety-related electrical, electronic, programmable, and instrumented systems.

- Functional safety, engineering assurance, and compliance functions
- Process, automation, controls, and instrumentation departments
- Chemical, energy, pharmaceutical, and manufacturing operations
- Automotive system, hardware, and software development teams
- Equipment suppliers, integrators, and independent assurance providers

Learning Objectives

By the end of this course, participants will be able to:



- Compare IEC 61508, IEC 61511, and ISO 26262 boundaries
- Apply lifecycle governance and accountability controls
- Evaluate competence, independence, and assurance evidence
- Build supplier, configuration, and change oversight
- Prioritize assessment and audit-readiness actions
- Create a functional safety governance file

Course Agenda

Day 1: Standards and Governance Boundaries

- IEC 61508 Generic Safety Lifecycle Map
- IEC 61511 Process-Sector Applicability Matrix
- ISO 26262 Road-Vehicle Lifecycle Profile
- Cross-Standard Scope and Boundary Register
- Functional Safety Governance Charter

Day 2: Lifecycle Accountability and Competence

- Safety Lifecycle Responsibility Assignment Matrix
- Functional Safety Management Plan Structure
- Role Competence Evidence Framework
- Independence and Segregation Decision Grid
- Lifecycle Gate Approval Record

Day 3: Assurance and Integrity Evidence

- Functional Safety Assessment Stage Map
- SIL and ASIL Decision Evidence Register
- Verification and Validation Evidence Matrix
- Safety Requirements Traceability Map
- Assurance Finding and Closure Log

Day 4: Suppliers, Change, and Audit Readiness

- Supplier Functional Safety Capability Review
- Configuration Baseline Control Register
- Management of Change Impact Screen
- Lifecycle Audit Evidence Index
- Compliance Exception Escalation Path

Day 5: Functional Safety Leadership Practice

- Exercise: Cross-Standard Applicability Decision
- Exercise: Competence and Independence Review
- Exercise: Assurance Evidence Challenge
- Exercise: Supplier Change and Audit Simulation
- Capstone Exercise: Functional Safety Governance File

Practical Exercises

The course uses suggested activities drawn from process plants, manufacturing systems, equipment suppliers, and automotive product development.

- Suggested activity: assign standard applicability, lifecycle ownership, decision rights, and escalation points for a mixed portfolio of safety-related systems.
- Suggested activity: evaluate competence and independence evidence for lifecycle roles, reviewers, suppliers, and assessment teams.
- Suggested activity: trace safety requirements through assurance evidence, findings, configuration baselines, modifications, and closure decisions.
- Suggested activity: assemble an audit-ready governance file linking plans, approvals, assessments, supplier controls, and management actions.

FAQs

What is functional safety leadership?

Functional safety leadership establishes accountability, competence, lifecycle controls, independent assurance, supplier oversight, evidence expectations, and escalation paths for safety-related systems.

Who suits functional safety leadership training, and what does it assume?

Functional safety leadership training suits experienced engineering, assurance, compliance, systems, supplier-management, and technical leaders who already contribute to safety-related decisions.

How does functional safety leadership training differ from technical SIL calculation training?

Functional safety leadership training governs lifecycle decisions, competence, assurance, suppliers, and evidence, while technical SIL calculation training concentrates on integrity determination and quantitative engineering analysis.

How do IEC 61508, IEC 61511, and ISO 26262 differ?

IEC 61508 provides a generic functional-safety framework, IEC 61511 applies it to process-industry safety instrumented systems, and ISO 26262 addresses road-vehicle functional safety.



Conclusion

The course integrates standards applicability, lifecycle accountability, competence, assurance, integrity evidence, supplier oversight, change control, and audit readiness. Participants take back a Functional Safety Governance File containing maps, matrices, plans, registers, decision grids, and closure logs. The file changes how their organizations govern functional safety evidence and leadership decisions across system lifecycles.