

Reliability Academy

Reliability Engineering Training Courses

Training Courses for Engineers in 2012

Academy courses give engineers and product developers necessary skills to apply reliability engineering and risk analysis procedures in product/ system design and development projects. At request we can build course packages for colleges, universities and large firms. Contact: www.reliabilityacademy.fi

Course Types:

A. BRIEFING:

0.5 day briefing on selected subject. Get a good start on your reliability or safety project! Let the experts instruct you on methods, timing, requirements and typical reporting.

B. WORKSHOP +exercises:

1–2 days: Our experts will teach you the methods, skills and application of selected reliability or safety topics. Includes exercises and group work.

C. SEMESTER

with 5-10 course modules:

Academy offers concurrent Reliability training packages for universities, colleges and large firms.

Current Course List

1. MANAGEMENT: Risk and Reliability Management	
10. Risk Management Systems - Basic blocks: Product Assurance of demanding applications.	2d
11. Briefing - EN 61508 Functional Safety, Safety Life Cycle	0.5-2d
12. Briefing - EN 13849: Machine Safety and Control Systems	0.5-2d
13. CE-conformance and Machine Safety.	1d
2. TECHNIQUES: Reliability Engineering and Risk Analysis	
21. Reliability Engineering Basics: Terminology, procedures, modeling and calculations.	2d
22. FMEA Analysis: Different FMEA types. How to perform FMEA effectively.	1d
23. Design for Testability – How to achieve good Testability	2d
24. Reliability Testing – Accelerated Tests and Reliability of Electronics.	1-2d
25. Streamlined RCM – Reliability Centered Maintenance, tools and procedures.	1-2d
26. Process System Safety: HAZOP – Hazard and Operability Study	2d
27. Action Error Analysis (AEA). How to and hands-on with exercises.	1d
3. QUALITY Systems	
31. Integrated Quality Management Systems + Internal Quality Audits	1+1d

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Selected Customers in Reliability Engineering and Risk Management

- ABB
- AKER
- ALTIA (Primalco)
- BOISE Cascade Corp.
- BOREALIS
- CARBONA Inc.
- CARGOTEC Plc.
- COMEX Electronics AB
- DNV
- EKE-Electronics
- ELEKTROBIT
- ESPOTEL
- ESO (European Southern Observatory)
- Finnish Civil Aviation Agency (FCAA)
- Finnish Meteorological Institute (FMI)
- Finnish Rail Administration (RHK)
- FOSTER WHEELER Energy
- GE Healthcare (Datex)
- HIAB
- Jaakko Pöyry International
- KCI Konecranes
- KONE Corp.
- Max Planck Institute
- MacGregor
- METSO Paper
- MTV3
- NESTE OIL
- OUTOTEC
- ORION Diagnostica
- OVAKO Wire
- RINTEKNO
- SANDVIK Mining and Construction
- SONOCO
- STX Europe
- SUUNTO
- TELLABS
- TRANSTECH
- VACON
- VAPO
- WARTSILA
- VR (Finnish State Railways)
- VTT MilliLab (ESA External Laboratory on Millimetre Wave Technology)
- YLINEN Electronics (DA-Design)