

Reliability Academy

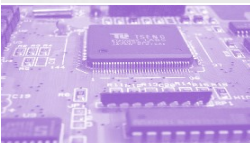
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Training Courses and Webinars



R01. Reliability Engineering Basics, 1 or 2d

The Students will get a basic understanding of Reliability Engineering techniques and practical tools to support product/ system design. You will be familiarized with Reliability terms, methods and concepts. Prior knowledge: Basic statistical methods.



R02. FMEA – Failure Modes and Effects Analysis - 1d

The students will get understanding of the FMEA -method and how to implement it into product design. . The Reliability Analysis basics, techniques and tools are introduced and how to implement them into product design. Prior knowledge: Basic statistical methods would be helpful.



R03. Reliability of Electronics – Failure rate computation - 1d

The students will get a basic understanding of Reliability of Electronics and calculation techniques and tools in order to determine the MTBF or Failure rate of electronic products in different operation environments, and how to include them in product design. Prior knowledge: Basic statistical methods.



R04. Accelerated Reliability Testing - 1 or 2d

The goal is to enable the designers and test engineers to plan and conduct accelerated reliability tests (ALT, AST/HALT) in practice. The methods with examples are presented and can be used in product design projects. Prior knowledge: Basic statistics.



S01. Risk Analysis Basics - 1d

The principles of the most widely used risk analysis methods are introduced. The students will learn how to select suitable analysis methods for their technology projects. The basics of the risk magnitude estimation are presented. The organization of a risk analysis project is discussed, including effective risk management tools, documenting and practices. Prior knowledge: Basic statistical methods would be helpful.

S02. Functional Safety – EN 61508, Application, Calculations - 1 or 2 d

The course gives the students a basic understanding of Functional Safety as in the EN 61508. Calculation techniques and tools are introduced to determine the MTBF and SIL (Safety Integrity Level) of electronic products, as well as the 'most important documents required in the 'EN 61508 world''. Prior knowledge: Basic statistical methods.

S03. Product Assurance Management - 2d

The principles of Product Assurance (PA) in developing space qualified or high reliability instruments: - How to set up the PA Management Plan, procedures and tools, compatible with space technology standards, such as the ESA ECSS-series. The organization of the PA activities are discussed, including documents and practices. Prior knowledge: Project Management.

Contact: [info\(a\)reliabilityacademy.fi](mailto:info(a)reliabilityacademy.fi) or info@alsafety.com

*We are an independent training organization established in 2008 by top Reliability Experts and Systems Engineers.
We enable our clients to design superb technology products and systems by eliminating product liability risks.*

Reliability Academy by *AL Safety Design Ltd.*

www.alsafety.com

email: info@alsafety.com, Tel: +358-400-800 022

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