

Your Fleet, Our Expertise



Reliability, Availability, Maintainability
and Safety [RAMS] Training

For sovereign security.

Challenges

➤ Our society and economy rely heavily on platforms, such as trains, planes and other systems, that are becoming increasingly complex and aging. This poses several challenges for businesses.

➤ **RELIABILITY**

Assessing and understanding the probability that a product will perform its intended function without failure.

➤ **AVAILABILITY**

Coping with increasing downtime to ensure efficient and effective operation of complex and aging systems.

➤ **MAINTAINABILITY**

Reducing maintenance costs associated with increasingly complex systems.

➤ **SAFETY**

Identifying and addressing potential issues before they become a problem.



What we offer

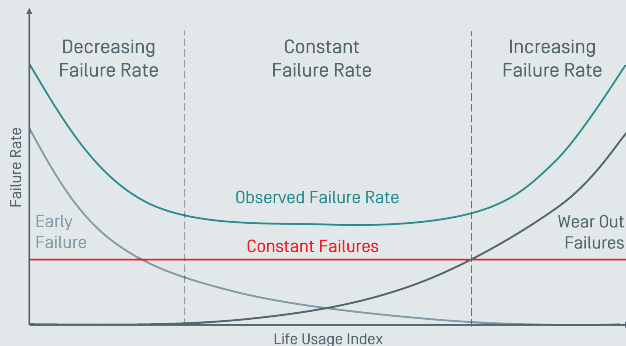
RUAG offers a training focusing on reliability, availability, maintainability and safety of your technical systems. It's designed for companies working with fleets of complex systems in industries with high safety standards and long life-cycles:

- Transportation and Public Services
- Aviation and Space
- Utilities and Power Generation
- Communication Systems
- Healthcare
- And many more ...

Systems, reliability and RAMS engineers and managers, as well as anyone who needs to ensure or analyze the reliability of systems, will immensely benefit from this course.

OUR MISSION

Our program equips you with vital knowledge and skills for success in systems engineering, emphasizing the role of statistics in decision-making and risk management. Learn the principles of statistical distribution to predict system failures and apply your knowledge through practical exercises and case studies.



Training outline



➤ FAILURES

Understanding failures and their root cause as well as efficient ways to report them.

➤ MAINTENANCE

Overview of maintenance levels with their respective benefits and applicability.

➤ SYSTEM SAFETY

Defining safety levels and safety analysis methods to ensure safety and determine reliability requirements of your system.

➤ RAMS

Comprehending the connexion between Reliability, Availability, Maintainability and Safety [RAMS] through methods and tools.

➤ RELIABILITY STATISTICS & ANALYSIS

Introduction to distributions and statistics to analyze system reliability.

➤ RELIABILITY ANALYSIS TOOLS

Presentation and usage of the RUAG reliability analysis tool. Evaluation of tailored case study examples.

Training details

➤ **PARTICIPANTS:** 6 to 10

➤ **DURATION:** 2 days

➤ **LOCATION:** According to your request or at RUAG in Emmen

➤ **PRICE:** CHF 1,500.– / person

➤ **DELIVERABLES**

- Training material
- Reliability analysis tool
- Certificate

➤ **DON'T HESITATE TO CONTACT US.**

We can provide customized and tailored solution to meet your individual needs.

WHO WE ARE

For sovereign security. Always and everywhere. Security is one of the basic pillars of Switzerland. As partner of the Federal Department of Defence, Civil Protection and Sport, we keep air and ground systems operating safely at an affordable readiness level.

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➤ Brand film