



# SYSTEMS RELIABILITY

## ***Course Descriptions***

The system reliability course provides in depth knowledge and training on the analysis and modelling of system reliability. The participants will firstly be introduced to the relationships between reliability, availability and maintainability. They will learn how to manages availability and maintainability while analysing and determining the system's reliability. The participants will not only learn about the concepts but will deepen their understanding in workshops.

Course Outline:

- Introduction to reliability concepts and reliability models
- Calculation, Analysis and Prognosis of Reliability
- Failure Modes and its use in FMECA
- Assuring System reliability
- Providing Evidence of System's reliability

## ***Learning Outcomes***

Participants know how to analyse, model and predict system reliability.

Participants understand the common reliability terminologies and commonly used reliability models.

Participants learn and practice :

- Functional Failure Modes, Effects, and Criticality Analysis (FMECA)
- FMECA's for Electro-mechanical systems
- Analysis, prediction and monitoring of system reliability

### ***Who Should Attend?***

- Engineers
- Quality Assurance Managers
- RAM Managers
- Reliability engineers and anyone who needs to assure and/or analyse system's reliability.

### ***Course Rates***

Early Bird: 1,350 CHF; Regular: 1,500 CHF

### ***Duration***

2 days

### ***Delivered By***



Seb Klaves

Sebastian has authored and reviewed numerous publications and likes to implement systems engineering principles.

After working at the Institute of Transport Science of RWTH Aachen as research associate, he worked at the German Aerospace Centre as Project Officer and as Project Systems Engineer at Bombardier.

Currently, Sebastian is heading the RAMS department at Siemens' Mobility division. He is actively involved in the committee of the Swiss Society of Systems Engineering, is a certified Systems engineering professional and is giving systems engineering training at Siemens.

Sebastian enjoys approaching organisational and technical challenges with a 'rock solid' systems thinking approach.