



# REQUIREMENTS – THE GOOD, THE BAD AND THE UGLY

## ***Course Descriptions***

Organisations need to establish requirements, regardless of their business methods or tool selections. Requirements have to capture the essence of what it is expected from the product or service to be supplied. To have any enduring value, requirements need to be managed and maintained throughout the project lifecycle to ensure that what is achieved at every stage can be demonstrated expressly to meet the Customer's needs. The techniques used to elicit the requirements at the start of the project lifecycle and the quality of their initial definition have a proven influence on the success, or failure, of the developed product or service.

The objective of the workshop is to understand the key steps in engineering requirements throughout the project lifecycle and to enhance the capability of individual engineers to recognise and create effective requirements.

## ***Learning Outcomes***

- Understand the key steps in determining and managing requirements
- Apply effective techniques that help at each step of the process

- Know how to write good requirements and how to avoid writing poor requirements
- Understand a case study as a practical example to demonstrate effective techniques

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

- Project Engineering Managers and Project Engineers who are responsible for creating and analysing requirements
- Personnel from all functional areas who are involved in defining and agreeing the requirements
- Functional personnel who are responsible for reviewing requirements and participating in design reviews
- Personnel involved in acceptance activities
- Personnel from all functional areas who use the defined requirements set to guide their activities throughout the project lifecycle

### ***Course Rates***

Early Bird: 2025 CHF | Regular: 2250 CHF

### ***Duration***

3 days

### ***Delivered By***



Gordon Woods

Gordon has a wealth of experience in requirements management, driving innovations in the defence, aerospace and nuclear and rail industries. He has previously worked on fast jets, military drones, UK and US tank system and trainers, satellite systems and nuclear submarines. For the last eight years he has specialised in supporting requirements management in rail projects including HS2 and East West Rail in the UK; High Speed Rail, Mass Rapid Transit, Light Rail Transit projects in Malaysia; the Qatar metro and tram projects; the Riyadh metro and lately the NEOM Backbone railway projects in Saudi Arabia.

He has brought his own unique style to the elicitation and specification of requirements, the Verification and Validation of the design products and safety assurance, all within a progressive assurance environment.