

Systems Engineering Training





The Systems Engineering Training for Systems Engineers

- who are interested in a sound and comprehensive understanding of systems engineering
 - who want to create sustainable technical systems with optimum system life cycle efficiency
 - who are aiming for high-integrity technical systems according to the highest quality standards
 - who are striving for maintaining direction and making reasonable decisions when project life becomes tough
 - who are in quest of meaning, not only knowledge

Dieter Scheithauer has more than thirty years of engineering experience

- in the field of automatic control,
- with the development of highintegrity technical systems including safety critical flight control systems, and
- defining, implementing and executing effective and efficient systems engineering processes

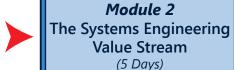
Dieter Scheithauer is well recognised in the INCOSE community. He served and supported INCOSE and its German Chapter, most notably as

- President of the Gesellschaft für Systems Engineering e.V. (GfSE)
- Member Representative in the INCOSE Corporate Advisory Board
- Moderator of the annual GfSE Student Awards
- Honourable Member of GfSE

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Module 1 Essential Systems Engineering Narratives

(2 Days)*
* in case of team training: 3 days



Module 3
Systems Engineering
Management
(5 Days)

Introduces systems engineering comprehensively

Provides insight into the systems engineering process regarding development and assurance activities

Considers all management tasks directly concerned with systems engineering development and assurance activities

Creating awareness for systems engineering including the system context and the social dimension

Orientation for all engineers performing systems engineering activities

Hands-on governance of the systems engineering process for project managers and engineering team leaders



Module 1 Content

- The Systems Engineering Challenge
- Narration Theory and the Human Mind
- Problem Processing
- The Overall Systems Engineering Value Stream
- The System Life Cycle
- Integrating the Essential Systems Engineering Narratives



Module 2 Content

- Stakeholder Requirement Definition
- System Requirement Definition and System Design
- System Integration Preparation
- System Integration
- Validation
- Verification
- Iterations over the V

Module 3 Content

- Programme Set-Up
- Project Set-up
- Systems Engineering Value Stream Modelling
- Configuration Management
- Project Execution
- Risk Management
- Qualification and Certification
- Project Closure

Training courses are offered publicly, and as organisation specific team training. In case of team training, complementary team coaching is recommended.

Training courses are held in English or German alternatively. Some training material may not be available translated into German.

For further information, please, consult the website, or contact me personally.



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