

Towards digital specification

Our vision

Requirements and architectures are broken down into reusable modules, digitally linked and centrally maintained. Projects can be flexibly assembled from these building blocks. Changes are automatically tracked, and tried-and-tested requirements are systematically reused.

Objective: Reduce duplication of effort and errors, and significantly improve efficiency and transparency in the development process.

From fragmented documents to modular, digital and reusable requirements

In most industries, requirements are often project-specific and stem from previous projects, standards, and customer requirements. The result: a high level of manual effort, inconsistencies, and recurring correction cycles - with direct implications for deadlines and costs. In other industries, digital and modular approaches have proven effective: Requirements are managed centrally, variants are systematically controlled, and traceability and compliance are ensured throughout the entire process.

The result:

Faster, consistent and transparent development processes with clear certainty regarding deadlines and costs.

Digital Methods & Product Line Engineering (PLE)

Model-Based Systems Engineering (MBSE) replaces text-based specifications with structured, digital system models. Requirements, functions and interfaces are modelled centrally, version-controlled and linked consistently. **Product Line Engineering** extends this approach to entire product families: requirements and modules are defined centrally and managed across all variants. **The digital specification follows a modular principle:** a central feature model maps all requirements, whilst project-specific specifications are generated automatically and rule-based – flexibly and error-free.

Our services

- Analysis and Organization of Your Existing Specifications
- Introduction of a Centralized Digital Model
- Design of Modular and Standardized Components
- Automation of Variant Management and validation
- Integration of consistency checks and Change Management
- Training and Support for Your Employees

Your added value

- Faster and more efficient creation of Specifications
- Consistent, error-free, and versioned Requirements
- Reduced coordination effort and fewer Questions
- Future-Proof Processes for Development Products

Interested?
Please contact us.

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