



Capitalize on modelling and simulation to create better products

We build simulation models to study the performance of early product conceptions, to analyse technology options, to perform trade-off studies and to study integration and test issues ahead of time to optimize product performance, mitigate development risks, lower costs and reduce time to market. Thereby, the process of developing the simulation models is often key to obtain an in-depth understanding of underlying technical and scientific principles and to identify critical relationships and influence factors.

Furthermore simulations are an important means for sharing results from performance analysis and trade-off studies with team members, customers, suppliers and the management throughout the development process. This considerably improves the quality of important decisions to be taken during product development.

Through netSIM our clients can get browser based access to their simulation solutions to perform their own, independent analysis and trade-off studies.

Our systems analysis and simulation methods find applications throughout the whole product life cycle:

Requirements analysis, concept development

- Proof of concept studies
- Understanding the impact of requirements

Concept selection and systems architecture

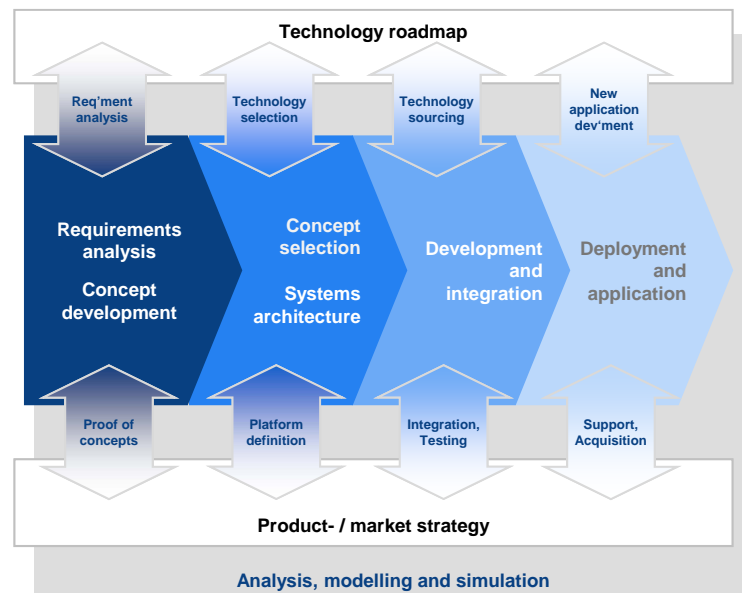
- Trade-off studies concerning technology selections and systems concepts
- Modularization concepts and platform definitions

Development and integration

- Studying implementation, integration and test issues
- Supporting technology sourcing

Deployment and application

- Feasibility analysis concerning new applications
- Analysing the impact of changes



Important benefits are:

- Early insight into achievable performance and important trade-offs
- In-depth and documented understanding of underlying technical and scientific principles and critical design factors
- Analysed, optimized and documented selections of technologies, design concepts and product architectures
- Rational basis to quantify the impact of changes on system performance as well as on development and integration issues
- Mitigated development risks
- Simplified sharing of results and hence improved communication with customers, suppliers, decision makers and other stakeholders

We make use of powerful analytics and simulation to provide customized services in the following areas:

- Technology Analysis and Development
- Business Analysis and Development
- Complex Problem Solving

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