

invenio

THE TURBOCHARGER FOR YOUR MBSE PROJECT!

ISEF® – INVENIO SYSTEMS ENGINEERING FRAMEWORK

ISEF

At invenio, we stand for efficient and practical Model-Based Systems Engineering (MBSE).

That's why we've developed a System Engineering Framework (iSEF®) designed to accelerate your modeling tasks with a set of well-defined methods and a collection of comprehensive modeling libraries compatible with the major modeling tools.

The iSEF® provides a robust core and an ecosystem of extensions designed to enhance and unify your development work scalable with your organizational size following a standardized approach.

Acknowledging architecture as an essential cornerstone within Systems Engineering, our Architecture-Centric Model-Based Systems Engineering principles (ACMBSE) provide a solution that elevates your product development to the forefront of innovation, efficiency, and time.



Our Approaches and Techniques:

Ontology of the Framework:

Hierarchically organized five viewpoints and system abstraction levels addressing the relevant concern and scope, all set in a coherent 3D modeling space.

Versatile Domain Modelling:

Initially tailored for automotive but adaptable to any domain, including most safety-critical systems (semi-formal architecture and requirements).

iSEF® Modelling Language:

Enhances UML and SysML with the invenio's own model language extension (iSefML profile).

Standardized Decomposition Models:

Fully machine-verifiable set of modeling rules, complete with many decomposition schemes, all checked in real time or triggered by a model checker.

Our Services and Solutions:

Comprehensive iSEF® Learning Hub:

Provided suite of online documentation comprising method documents, modeling guidelines, tool settings, and practical tips and tricks.

Ecosystem of Ready-To-Use Model Elements:

Range of pre-built structural and behavioral models, including functions, components, interfaces, and reference designs to boost your efficiency in creating your system architecture.

Attractive iSEF® Licensing Models:

Foundation Edition (at no cost) packed with a robust set of extensive capabilities, perfect for starters and licensed Professional Edition with comprehensive features adaptable to your organization's size and budget, fitting from entry-level to expert.



Enrico Seidel | Senior Consultant
invenio Systems Engineering GmbH



+49 176 11899281



enrico.seidel@invenio.net



Unterweingartenfeld 7 | Karlsruhe



I look forward to hearing from you!



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