invenio

The Turbocharger For Your MBSE Project!

ISEF® - INVENIO SYSTEMS ENGINEERING FRAMEWORK

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 an 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.

Kontaktieren Sie mich für ein unverbindliches Erstgespräch.

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