invenio

We Ignite Your Enthusiasm for MBSE

MODEL-BASED SYSTEMS ENGINEERING

invenio is your partner in delivering exceptional Systems Engineering with a emphasis on Model-Based Systems Engineering (MBSE) to streamline and enhance your product development across various domains.

MBSE represents a key area of our expertise, assisting you in the seamless transition from document-based systems engineering to a comprehensive Architecture-Centric Model-Based System Engineering (ACMBSE).
Our in-house developed reference methodologies and processes from system architecture concepts to detailed design integrate all engineering facets and enable you to enhance your product quality and reusability of already developed model artifacts compliant with established standards such as ISO 42010, ISO 15288 and ISO 26262.

Our MBSE Competency:

Customized System Architecture Modeling:
Proficiency to leverage our system competency (Automotive, Medical) and model your domain specific system architectures that meet your needs, whether for application or platform products.

Ontology and Frameworks:
Provision and optional customization of the invenio standardized System Engineering Framework, iSEF®, which equips you with the capabilities to support your system development with structured, comprehensible and reusable model artifacts.

Holistic Engineering Approach:
Specialized in harmonizing system architectures with discipline-specific architectures (SW/HW) to create a unified model that supports the development for even the most safety-critical systems, thereby ensuring compliance and reliability.

Our Approaches and Services:

Effective MBSE Implementation:
Adaptive training programs that guarantee a smooth transition from traditional systems engineering to comprehensive ACMBSE, ensuring continuity and no disruption of your projects.

Targeted Training & Coaching:
Offering continuous, in-depth training, on-site support and practical consulting services engaging your key personnel in the educational process and thereby guaranteeing the proficiency and expertise of your team.

Ready for an Efficient Development:
Dedicated to maximizing the reusability of your engineering assets throughout the development lifecycle by finetuning your processes, methods, and tools leveraging the **invenio Systems Engineering Framework.**

Contact me for a non-binding initial consultation

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