MEMBERSHIP

Registration/information

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COSTS
EUR 2000,-- per company
(max. 3 participants per
company)

ESI

Powered by industry,
academia and TNO

MBSE Community of Practitioners

Introduction to MBSE

Currently, MBSE practices involve disconnected models that often become outdated and inconsistent, serving single purposes. However, the future of MBSE envisions interconnected, up-to-date models that represent all systems engineering information dynamically. This evolution will ensure coherence, consistency, and real-time relevance across the system lifecycle. To achieve this, MBSE methods and tools must adapt to support the creation and management of integrated, living models.

The challenge

MBSE methods and tools are maturing quickly. MBSE is broadly adopted in some industries (defense, space, aerospace) Yet, MBSE is not commonly applied in (commercial) high-tech equipment industry. What are the benefits for this industry? What is needed for successful adoption in this industry
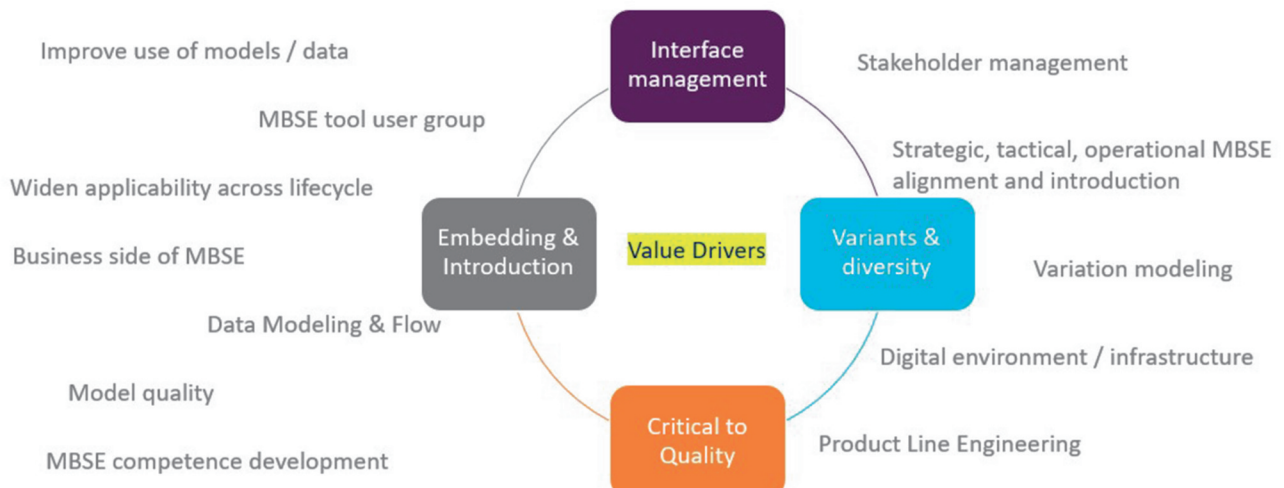
Community objectives

Primary goal of the community is to:
- Develop a deeper understanding about the value of MBSE, how to introduce it, and how to apply it.
- Build a network of practitioners that learn with and from each other.

MBSE phase 2 Workshops & Deep Dives

Improve use of models / data

MBSE tool user group

Widen applicability across lifecycle

Business side of MBSE

Data Modeling & Flow

Model quality

MBSE competence development

Interface management

Stakeholder management

Strategic, tactical, operational MBSE alignment and introduction

Value Drivers

Embedding & Introduction

Variants & diversity

Variation modeling

Digital environment / infrastructure

Critical to Quality

Product Line Engineering

Benefits of participation

Benefits of participating in the community of practitioners are:

- Knowledge Exchange: It provides a platform for professionals to exchange insights, best practices, and lessons learned from their experiences, fostering continuous learning and skill development.
- Networking Opportunities: Participants can expand their professional network by connecting with like-minded individuals, potential collaborators, and experts in the field.
- Access to Resources: Access to valuable resources such as toolkits, case studies, and research findings, enhancing their ability to tackle challenges and stay updated on industry trends.
- Peer Support: Share challenges, and receive support from peers facing similar issues, leading to increased resilience and problem-solving capabilities.

Activities

After a joint kick-off session to identify key topics of interest, four half-a-day workshops will be organized. Each workshop will be introduced by a short theoretical introduction, followed by a practical examples from one of the participating companies and followed by discussions, and small group exercises.

Key topics of interest

Typical topics that will be addressed are:

- Value drivers for MBSE
- Factors influencing MBSE added value
- Interface management & MBSE
- Variants & Diversity
- Critical to quality and system behavior Embedding and introducing MBSE

Target audience

Industry professionals involved in systems engineering interested in trends and developments in MBSE and how to create value out of it.