

Letter of Intent

MBE Experience Centre

Participation in the Model Based Enterprise (MBE) Experience Centre

The high-tech industry is facing significant challenges:

- Achieving higher productivity with the same resources to enable growth.
- Developing products with increased complexity and quality to secure continuous innovation.
- Improving efficiency in product development to reduce time to market.
- Maintaining flexibility in a fast-changing technological environment.

One of the key enablers to meet these challenges is the Digital Transformation of product development and manufacturing processes. A proven methodology is the Model Based Enterprise (MBE) approach, where products are designed in 3D CAD, enriched with Product & Manufacturing Information (PMI), and reused throughout the lifecycle – from design analysis and planning to manufacturing and inspection.

While MBE is already being adopted worldwide, many OEMs and their supply chains still encounter barriers to large-scale implementation. These include:

- Software maturity in CAD, simulation, manufacturing, and inspection.
- Standardization in data exchange.
- Clarity on MBE benefits, ROI, and business impact.
- The “chicken & egg” dilemma of needing all players in the product lifecycle to adapt simultaneously.
- Transitioning towards new digital workflows.

The **MBE Experience Centre** aims to remove these barriers by demonstrating best practices, showcasing practical solutions, and providing a neutral environment where OEMs, suppliers, and software providers can learn, experiment, and collaborate.

Objectives of the MBE Experience Centre:

- Remove barriers on the path to MBE and stimulate decisions to get started.
- Establish a user platform for OEMs, suppliers, engineering firms, and software providers to collaborate on integration and innovation.
- Demonstrate MBE applications in practice and validate their benefits.
- Facilitate training, workshops, and shared learning to accelerate adoption.

Planned Activities:

- Develop and operate demonstrators that showcase practical MBE applications.
- Share use cases, demonstrator results, and promote MBE across the high-tech industry.
- Enable software vendors to test and improve their solutions.



- Monitor and validate MBE implementation in real industrial contexts.

Phasing:

- *Initiation (Q4 2025):* Define strategy, objectives, and partner contributions. Conduct feasibility assessment (Go/No-Go).
- *Planning & Execution (2026):* Establish the Experience Centre platform, launch the first demonstrator projects, and align with participants on priorities and resources.

Commitment

By signing this Letter of Intent, your company expresses its interest in participating in the MBE Experience Centre initiative and contributing to the collective effort of accelerating digital transformation in the high-tech industry.

This Letter of Intent does not create legally binding obligations but serves as a mutual expression of intent to collaborate, exchange knowledge, and explore opportunities to participate in demonstrator projects, workshops, and platform activities.

We look forward to your participation in this strategic initiative and to jointly shaping the future of digital engineering and manufacturing.

Date: _____

Signature:

Company: _____

Name: _____

Job title: _____