



# Nordic Model Based Enterprise Forum

11-12 September 2025 Malmö

## Preliminary Agenda

### Day 1: Industry Insights and MBD Implementation

08:30 – 09:00

 Registration & Coffee

09:00 – 09:30

 Opening Remarks

**Mirosław Chamera, CEO, ARIADNE Engineering**

*Welcome and introduction to the Model-Based Enterprise (MBE) concept and the conference.*

09:30 – 10:20

 Keynote – Digital Twins & Model-Based Definition: A New Era in Component Qualification

**Narendra Akhadkar, Schneider Electric**

*Explore how digital twin technology combined with Model-Based Definition (MBD) transforms component qualification, predictive maintenance, and design iteration, enhancing efficiency and sustainability.*

10:20 – 10:40

 Coffee Break & Networking

10:40 – 11:20

 MBD Journey @ Hitachi Energy

**Fredrik Montelius, Hitachi Energy Components**

*Learn how Hitachi Energy implemented MBD to improve supplier information management, quality control, and tolerance analysis.*

11:20 – 12:00

 Real-World Quality Control Use Cases for MBD

**Aleksa Dopudja, Capvidia**

*Discover the impact of MBD in industries like aerospace, automotive, and consumer goods, including case studies that show how MBD improves collaboration and operational efficiency.*

12:00 – 13:00

 Lunch Break

13:00 – 13:40

 From 3D Model to CMM – Automatization of Metrology with 3D PMI & QIF

**Markus Grann, Hexagon & Mats Johansson, Dynamate**

*This session explores how 3D models with semantic PMI are integrated into Hexagon's PCDMIS software for automated metrology, improving the accuracy of inspections.*

**13:40 – 14:20**

📌 **Lessons Learned from Model-Based Implementations**

**Dan Feighery, Action Engineering**

*Successfully adopting and integrating digital practices and technologies in pursuit of a Model-Based Enterprise is more than just incorporating new tools into an organization's software stack and digitizing data. Gain insights from recent MBD and MBE projects to optimize digital product definition authoring practices for data re-use throughout the product life cycle.*

**14:20 – 15:00**

📌 **Overcoming the Digital Thread Myth with Modern Collaboration**

**Patrick Dunfey, ANARK**

*Patrick will demonstrate how modern collaboration tools help integrate digital thread communication seamlessly across departments, ensuring real-time updates and better decision-making.*

**15:00 – 15:20**

☕ **Coffee Break & Networking**

**15:20 – 16:00**

🔧 **Workshops: Hands-On MBD Applications I**

Choose from:

- Automation of Metrology Processes with QIF
- Using ISO GPS to Define Products in 3D
- Basics of Tolerance Analysis

**16:00 – 17:00**

🔧 **Workshops: Hands-On MBD Applications II**

Choose from:

- Practical Application of ISO 22081
- Systematic Innovation with TRIZ
- Dimensional Management for Managers

**18:00 – Late**

🍷 **Dinner & Networking**



## Day 2: Enterprise Integration & Future Trends

08:30 – 09:00

 Morning Coffee & Networking

09:00 – 09:50

 Keynote – Okay to Fail: The Entrepreneurial Spirit of Digital Transformation

**Andrew Pierce, GE Appliances**

*Andrew discusses how GE Appliances fosters an entrepreneurial spirit to drive digital transformation, focusing on the role of innovation, failure, and iterative processes in achieving success.*

09:50 – 10:30

 MBD Implementation @ Vestas


**Dennys Gomes, Vestas**

*Vestas shares its journey in adopting a drawingsless approach to product development, highlighting the role of MBD in tolerance analysis, quality control, and downstream processes.*

10:30 – 10:50

 Coffee Break & Networking

10:50 – 11:30

 Design for Manufacturability & Cost in Future MBE Automation

**Leo Broers, Coresy Inc**

*Learn about the future of MBE and AI integration in design for manufacturability and cost optimization, and how it transforms the manufacturing process.*

11:30 – 12:10

 Democratization of Dimensional Management & Tolerance Analysis

**Ed Walsh, Sigmetrix**

*Ed Walsh explores how tools like CETOL and EZtol are democratizing tolerance analysis and making dimensional management more accessible in the MBD environment.*

12:10 – 13:10

 Lunch Break

13:10 – 13:50

 Smart Manufacturing & MBE: The Role of Metrology

**Helena Björk, RISE**

*Helena discusses how metrology is evolving in the context of smart manufacturing, and the critical role MBE plays in enhancing manufacturing efficiency and precision.*

13:50 – 14:30

 From Digital Design to Manufacturing: MBD-Driven CAM Automation

**Coskun Islam, Sandvik Manufacturing Solutions**

*This session demonstrates how Sandvik, using the Up2Parts AI platform combined with GibbsCAM or Mastercam, leverages 3D models enriched with Product and Manufacturing Information (PMI) to automatically generate NC programs. That greatly reduces CAM programming time, minimizes human error, and shortens lead times from design to first article.*

14:30 – 14:50

 Coffee Break & Networking

14:50 – 15:30

📌 **Design Efficiency: The Impact of Automated Tolerance Allocation**

**Kieran Ciniewicz, Manufacturing Technology Centre (MTC)**

*Kieran will present on automated, 3D, MBD-based tolerance analysis and its impact on product quality and manufacturing cost.*

15:30 – 16:10

💬 **Panel Discussion – Overcoming Common Challenges in Implementing MBD Across the Enterprise**

*An interactive discussion on how to extend MBD across all departments – from R&D to production, including procurement, suppliers, and customers, focusing on digital transformation strategies. Industry leaders discuss key challenges in adopting MBD and share strategies for successful implementation.*

16:10 – 16:30

📌 **Conference Wrap-Up & Final Q&A**

