

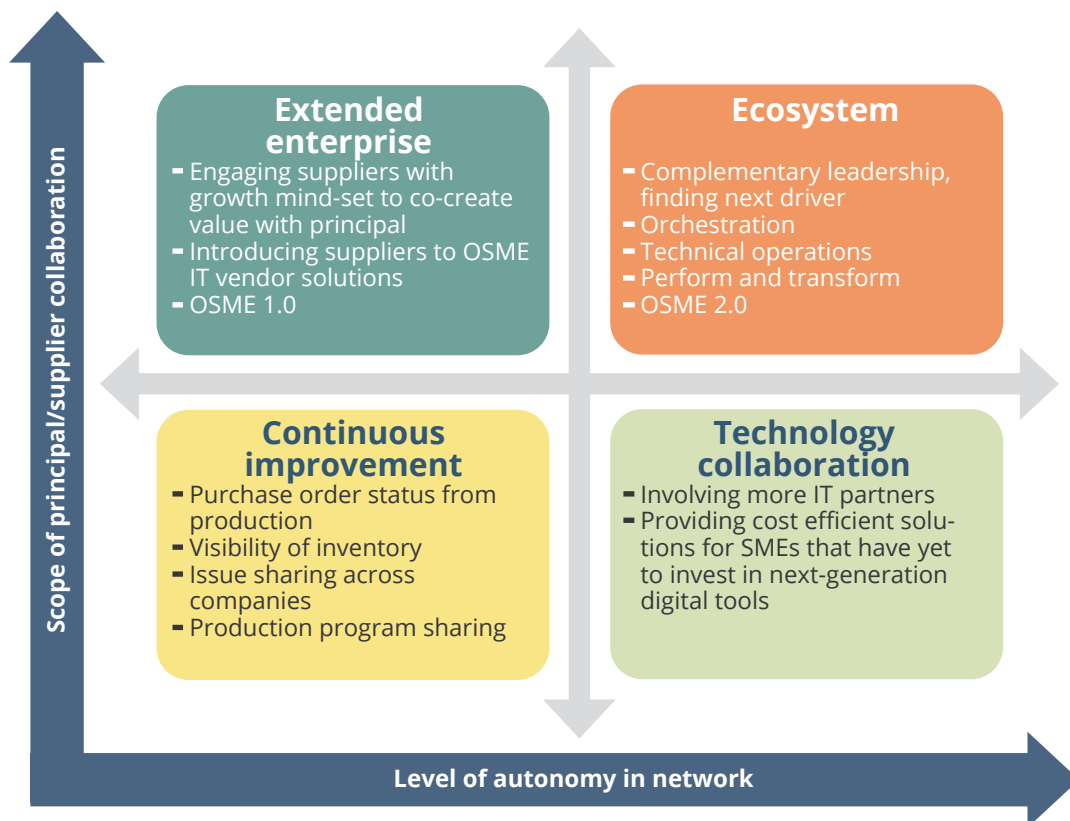
# Invitation to Open Smart Manufacturing Ecosystems 2.0

Wärtsilä enables sustainable societies through innovation in technology and services. The **Sustainable Technology Hub** is the foundation for **Wärtsilä's extended enterprise** strategy, supporting simultaneous transformation and performance.

OSME is the **collaboration platform** for Wärtsilä's extended enterprise and, as we approach the end of our first phase, it will now be shared with others. The aim of OSME is to enable **stronger integration** between principals and suppliers in manufacturing ecosystems.

OSME contributes **immediate operational benefits** for the partners, but it also aims at **longer-term strategic impact** in the society. To achieve these objectives we must conduct both breakthrough conceptual research and apply new theories and technologies in real-world experimentation and **proof of concepts**.

Today, we are inviting new members to join OSME and expand the ecosystem, **creating OSME 2.0**.



[www.mexfinland.org/osme](http://www.mexfinland.org/osme)

**Christian Sundman**  
+358 50 539 2948  
christian.sundman@wartsila.com

**Niklas Koski**  
+358 44 298 8909  
niklas.koski@synocus.com

# OSME – Integrating Performance and Transformation

To address present challenges the OSME initiators are united by their ambition to make manufacturing both more creative and more productive. This will ask for a totally **new way of working** together that the OSME initiators will co-create and use both for their own benefits and to contribute to a **more responsible and sustainable manufacturing paradigm**. Each of the initiators brings a complementary capability to the collaboration.

**Wärtsilä** wants to develop an integrated smart manufacturing ecosystem where knowledge, capabilities, technology, systems, and solutions to common problems can be shared. This will result in a more resilient value chain based on distributed manufacturing as a differentiator.

**VTT** provides technologies in federated data spaces such as IDS to be taken into use in implementing the data architecture of OSME. The implementation of IDS components supports the implementation of OSME pilots and enables an open self-sustainable manufacturing ecosystem.

**Roima Intelligence** contributes to the Open Smart Manufacturing Ecosystems digital platform through the integration layer and additional proof of concepts. This will provide users with operational transparency, quality monitoring, and sustainability.

**Fastems** contributes to OSME by creating specifications and proof of concepts for factory level manufacturing cockpit solution integrating shop floor machinery to collect and share data. This will allow advanced and real-time management of production.

**Tasowheel** identifies the different types of resilience requirements of the participating companies (multi-site manufacturing models, alternative sourcing models, redundancies in bottlenecks etc.) to develop an actionable framework for manufacturing resilience.

**Prohoc** develops new support tools for human-centric operations. This will be done by building a model that enables inspired self-organization within the ecosystem and an environment where operators are seen as value creators.

**Leinolat Group** supports OSME with experience on how manufacturability and total-cost optimization should be considered already in the engineering, design phase and throughout the product lifecycle through digitalization and 3D design.

**Synocus** co-orchestrates the OSME community to strengthen the collaboration through continuous capability-building efforts improving quality, shortening throughput time, and supporting innovativeness to reduce costs and increase value for customers.

In addition to the initiators the OSME collaboration also comprises a growing number of Associate Partners that will provide additional strengths to the OSME network. The first Associate Partners are **ABB, Fliq, Nimetech, Sandvik, Valmet Automotive, and the University of Vaasa**.

