

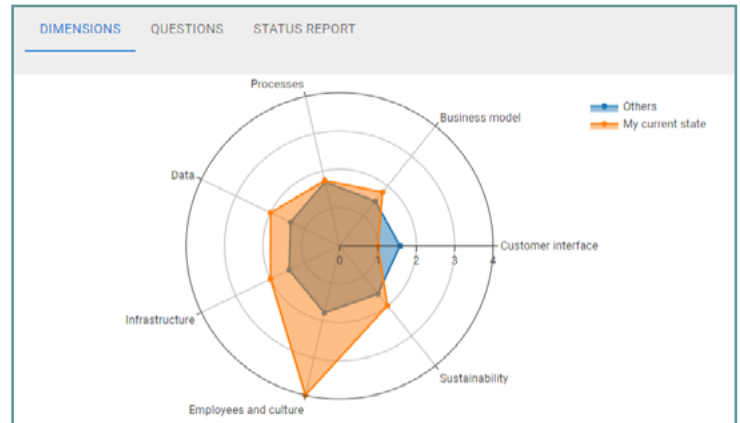


# OSME Showcase: OSME maturity tool

Manufacturing companies, especially SMEs are struggling with resource constraints and knowledge gaps that slow down their digitalization efforts and investments in the green transition. A dedicated maturity tool helps companies realize their current digitalization level and compare their situation to other companies. The visual result enables the identification of the most important development areas.

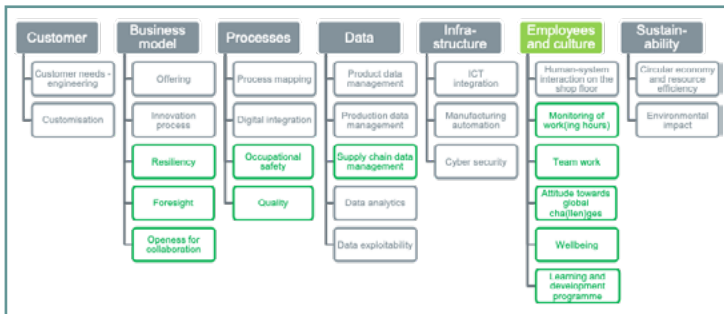
Researchers of VTT developed the OSME maturity model together with the OSME member companies. IT provider Roima contributed to the questions related to data sharing and service provider Prohoc modified the questions about employees and culture. The model was tested in two phases. First with the manufacturing companies of OSME, including two associate members, then a group of companies including four subsidiaries completed the second testing round.

The maturity model was implemented as an open free web application where respondents need to register before entering the self-assessment section. The self-assessment is supported by questions offering five response options from which to choose the most appropriate one. After all responses to the 7 dimensions (Infrastructure, Data, Process, Customer, Business model, Employees, and Sustainability) are entered, the results are immediately displayed for the participant as a radar graph for dimensions, as a bar graph for each question, and as a written report.



related to their knowledge. During the first testing round, 12 responses were received from five companies such as ABB, Leinol Group, Sandvik, Tasowheel and Wärtsilä. The second round collected 24 responses from the Leinol Group including their four subsidiaries. The group of manufacturing companies agreed to repeat the exercise also in 2024. The lifecycle plan and business development of the tool are in progress including a service path for the companies.

The maturity tool is available at <https://maturity.vtt.fi/> and discoverable on the landing page generated for twin transition tools <https://twintransition.fi/>.



The maturity tool can be utilized by a single company or a group of companies which want to explore their potentially common development areas. The tool can also be used as a current state analysis for a supplier company about to join a manufacturing ecosystem. The maturity tool is provided as a free-of-charge tool for the manufacturing industry for non-commercial use in Finnish and English.

The service provider companies were eager to contribute to the model creation of the tool, especially with questions

## Impacts:

The self-assessment maturity tool guides manufacturing companies:

- beyond Industry 4.0
- towards data sharing within a supply chain
- open innovation ecosystem
- sustainable manufacturing

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For more information on the Open Smart Manufacturing Ecosystems initiative, please visit [mexfinland.org/osme](https://mexfinland.org/osme)

