

Smart Industry Readiness Index (SIRI)

A tool to assist manufacturers in their Industry 4.0 transformation journeys

The Smart Industry Readiness Index (SIRI) is an Industry 4.0 readiness assessment tool built by TÜV SÜD and the Singapore Economic Development Board, and it is endorsed by the World Economic Forum. SIRI consists of the TIER Framework, the SIRI Framework, the Assessment Matrix, and the LEAD Framework.

Benefits of SIRI

- ✓ Helps manufacturers of any size and within any industry to address challenges in adopting Industry 4.0
- ✓ Enables manufacturers to break down Industry 4.0 concepts into critical building blocks to realize tangible benefits for their businesses
- ✓ Provides frameworks and tools that offer manufacturers insight into how to start, scale, and sustain growth during their Industry 4.0 transformation journeys
- ✓ Allows organizations to benchmark against other firms in the industry to understand where the most valuable investments can be made
- ✓ Validates an organization's thoughts and understanding of where it is with its Industry 4.0 transformation
- ✓ Challenges organizations to think about Industry 4.0 in a different way than before

TIER Framework

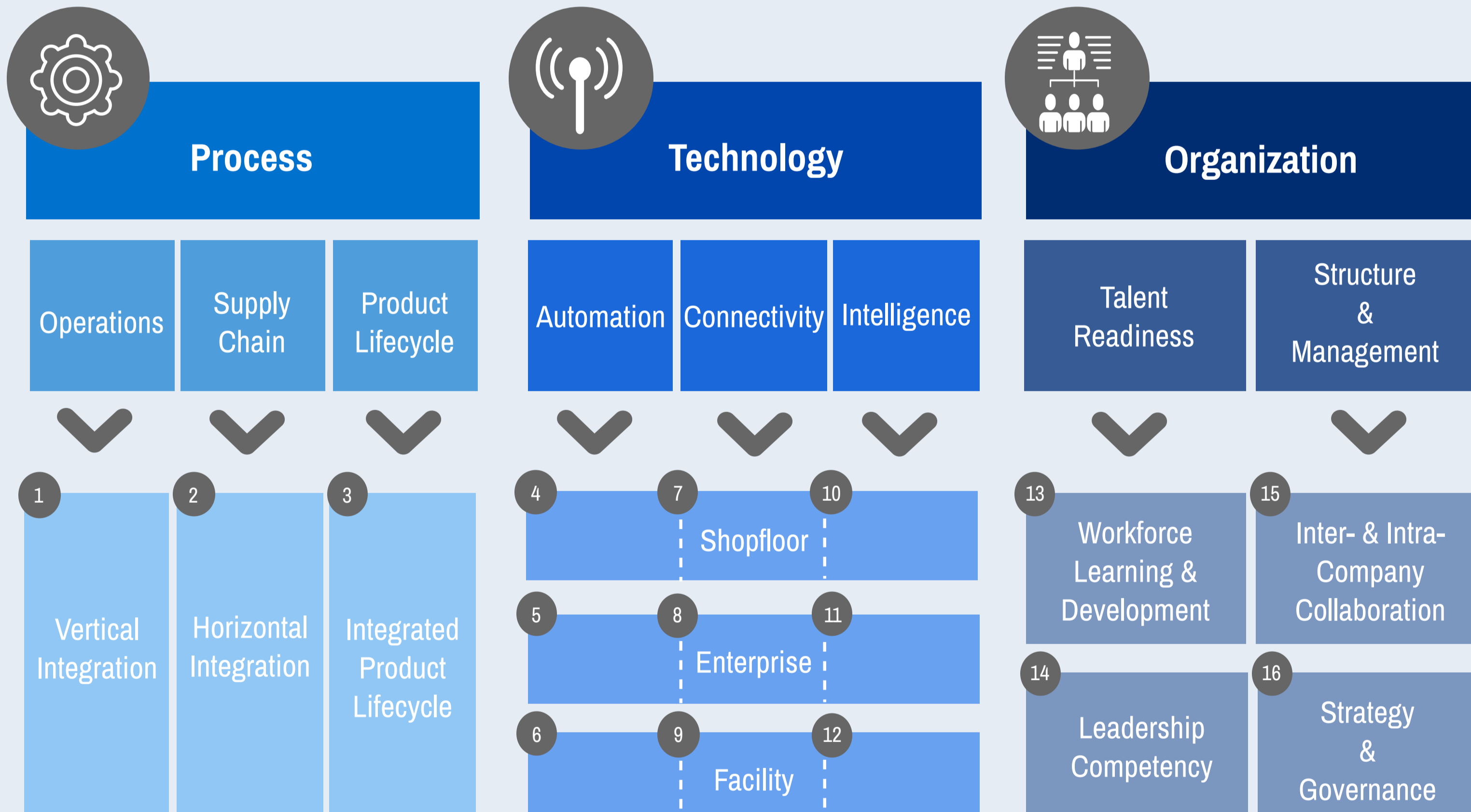
The TIER framework serves to help manufacturers focus on the areas where improvements can deliver the greatest value. This will enable companies to start, scale, and sustain their Industry 4.0 transformation journeys in the right direction.

- T** = **Today's State:** Develop an understanding of the company's current Industry 4.0 maturity level
- I** = **Impact to Bottom Line:** Analyze how distinct Industry 4.0 areas affect the company's profits and identify those that can generate financial return
- E** = **Essential Business Objectives:** Determine the business objectives that are most critical to the company to guide the selection of relevant Industry 4.0 areas
- R** = **References to the Broader Community:** Emulate successes and learn from the mistakes of the broader manufacturing community

SIRI Framework

- The first layer consists of the three fundamental building blocks of Industry 4.0: Process, Technology, and Organization.
- Eight pillars represent the necessary components for future preparedness and support the main building blocks.
- The last layer, the **Assessment Matrix**, has 16 dimensions for manufacturers to consider when evaluating their structures, systems, and processes.

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LEAD Framework

The LEAD Framework reinforces the continuous four-step process of the Industry 4.0 transformation.



Work with TÜV SÜD to implement SIRI, so your organization can leverage the potential of Industry 4.0.