



Smart Industry Readiness Index

The Prioritisation Matrix

– Video Transcript

Manufacturing is in the midst of its next revolution.

Industry 4.0, the convergence of the digital and physical worlds, is upon us. To help companies start, scale, and sustain their Industry 4.0 initiatives, we launched the Smart Industry Readiness Index in 2017.

Across the sixteen dimensions of the Index, companies are able to use the Assessment Matrix to evaluate their facilities.

In recent years, the understanding of Industry 4.0 amongst manufacturers has grown rapidly but the pace of adoption is lagging.

To boost adoption, companies must first prioritise Industry 4.0 areas to focus on.

Therefore, we have established four key principles of prioritisation.

Today's state: Understanding the current state of your manufacturing facility.

Impact to Bottom Line: Focusing on areas with the greatest impact on your profits.

Essential Business Objectives: Identifying areas best positioned to bring success to your strategic goals.

References to the Broader Community: Gleaning insights from the best-in-class.

The TIER Framework helps to ensure that all critical considerations are assessed, guiding companies to target high-impact areas.

To translate it into practice, we have developed the Prioritisation Matrix, a management planning tool that identifies the highest impact Index dimensions.

Our research shows that those who succeed holistically tackle business processes, technology architecture, and organisation challenges.

With this logic, the Prioritisation Matrix helps companies understand where to further diagnose, design and ultimately implement Industry 4.0 at scale.

The Prioritisation Matrix requires three key inputs.

First, the Assessment Matrix Score. This helps the tool understand the current state of the facility.

Second, the facility's revenue cost profile. This allows the tool to factor in the bottom-line impact.

And third, the company's Key Performance Indicators, to align with their strategic directions.

The algorithm references hundreds of case studies to prioritise Industry 4.0 focus areas. Manufacturers can also identify relevant digital levers to implement in their facility.

As a medium-sized enterprise with limited resources, it is especially important that we invest our time and effort in the right areas.

For a company like Infineon that has embarked on our Industry 4.0 plans, the Prioritisation Matrix serves as a useful tool to help us review whether our ongoing efforts are in the right direction.

The digitisation of manufacturing presents many exciting growth opportunities for both companies and employees. The Singapore Government is keen to partner organisations, big and small, to benefit from what Industry 4.0 can offer.

This is why we have come up with a comprehensive framework to help companies and support them in their transformation journey.

We are confident that the Prioritisation Matrix will be a valuable tool to assist manufacturers in Singapore and around the world to not only accelerate implementation of their Industry 4.0 roadmap, but also to expect the maximum value as they embark on this exciting journey.

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