



Add value.
Inspire trust.

Industry 4.0 Enablement Programme

Leveraging on Smart Industry
Readiness Index



Introduction

Industry 4.0 is redefining the global manufacturing sector through the convergence of the physical and digital worlds. It has the power to transform how products are created, how supply chains are managed and how value chains are defined. Industry 4.0 (I4.0) enables organisations to gain new competitive advantages through greater quality, productivity, speed and flexibility.

The success of an organisation's I4.0 journey relies on its ability to understand, internalise and apply I4.0 technologies and solutions. It is imperative for organisations to understand their I4.0 readiness levels so that they are able to empower and mobilise their workforces, and prioritise strategic opportunities and high impact initiatives.

In order to accelerate the manufacturing sector's I4.0 transformation, the Singapore Economic Development Board (EDB) partnered with TÜV SÜD and other industry

leaders to develop an industry transformation framework known as the Smart Industry Readiness Index (SIRI). SIRI serves as a diagnostic tool for companies – across all industries and sizes – to understand I4.0 concepts better, evaluate the current state of their manufacturing facilities, and prioritise focus areas with the biggest impact to improve in quality, productivity, speed and flexibility.

The recognition of SIRI by the World Economic Forum as the global standard for I4.0 transformation will further increase its adoption and ultimately catalyse the transformation of the global production sector.

The Industry 4.0 Enablement Programme

Leveraging on SIRI, the key objective of the Industry 4.0 Enablement Programme is to provide an effective initiation of the I4.0 transformation that spans the 3 fundamental building blocks of Industry 4.0: Technology, Process, and Organisation. By building knowledge and establishing factory-specific interpretations of key

principles, concepts and technologies, customers are guided and then enabled to embark systematically on their I4.0 transformation journey.

During the 3-day programme, TÜV SÜD Certified SIRI Assessors work with organisations to catalyse their I4.0 transformation targeting the following key objectives:

- **Competent:** Acquire and gain knowledge of I4.0 and related technologies within the industry.
- **Oriented:** Evaluate the current I4.0 readiness level, map company specific imperatives and benchmark against best-in-class companies, based on the global standard SIRI.
- **Actionable:** Establish confidence in making the right strategic decisions and minimise uncertainty by understanding global best practices and applying practical guidelines.

Your business benefits

- Get ready to improve systematically in quality, productivity, speed, and flexibility by leveraging I4.0 solutions effectively.
- Gain critical knowledge about I4.0, your company's specific maturity levels and the most impactful areas to focus on.
- Mobilise your workforce and suppliers for an inclusive transformation by establishing shared goals and a common understanding and language.
- Acknowledge and understand latest technologies and concepts to better tackle your challenges.

How can we help you?

Our experts conduct the SIRI assessment at your site as an independent, impartial party. We introduce the concept of I4.0, present the SIRI framework and conduct the actual assessment of high-impact initiatives. We advise on the next steps and how you can master your own transformation journey.

Why choose TÜV SÜD?

Started during the first industrial revolution as an industry expert in quality and safety, TÜV SÜD is now a leading, international service corporation with a proven track record in I4.0. Having completed hundreds of SIRI assessments and consultations worldwide across a large range of industries, with MNCs as well as SMEs, TÜV SÜD has gained unprecedented expertise in I4.0 transformation. Agnostic to technology and vendors, we advise on the best solutions for your specific challenges and future needs.

Add value. Inspire trust.

TÜV SÜD is a trusted partner of choice for safety, security, and sustainability solutions. It specialises in testing, certification, auditing, and advisory services. Since 1866, the company has remained committed to its purpose of enabling progress by protecting people, the environment, and assets from technology-related risks. Through more than 25,000 employees across over 1,000 locations, it adds value to customers and partners by enabling market access and managing risks. By anticipating technological developments and facilitating change, TÜV SÜD inspires trust in a physical and digital world to create a safer and more sustainable future.

