It has been forecasted that the Industrial IoT market is expected to grow at a CAGR of 16.7% from 2019 to 2027 to reach $263.4 billion by 2027. Manufacturing, as a segment, has seen advancements over the years and industrial revolutions past and present have uncovered tremendous opportunities of growth and innovation. Industrial IoT has made inroads into the manufacturing space whose applications are instrumental in defining the next S-curve of operational excellence.

The key drivers that are enabling this quantum of growth are solution themes such as connected operations that drive operational visibility, optimal management of assets, workforce safety and quality. To derive value from such potential opportunity spaces, manufacturers should first wade through the increasingly complex levels pertaining to their organizational and technological capabilities and devise adequate strategies.
Address the Top Challenges Your Organization faces in Applying Digital

Approximately 72% of senior leaders understand that digital is a business imperative, however they are not able to adopt and transform themselves. The core aspects which organizations lack include digital strategy roadmaps, collaboration across functions, priorities across operational dimensions and future ready technology. The other prominent factor contributing is lack of leadership driven change management. To address such scenarios, and to help in terms of moving the team up the maturity ladder to become best in class in manufacturing, we recommend a detailed scan of the organization on key themes to unearth potential improvement opportunities.

Hitachi’s Intelligent Manufacturing Maturity Assessment (IMMA) framework brings about a holistic approach to help organizations improve their processes based on world-class standards.

The assessment is conducted in two key stages, self-assessment, and expert assessment. While the self-assessment helps establish the relative maturity; our manufacturing practitioner-led expert assessment helps level all aspects and leads to identifying priority themes for the organization. The assessment findings depend heavily on sharing relevant organizational practices and self-reflection on areas of improvement; hence, we recommend open and transparent communication to ensure that the findings resonate with the true picture and are meaningful for the organization.

The IMMA report helps organizations to identify the gaps across all the themes, visualize solutions that need to be deployed to address the gaps. Then creates a value-driven strategy, and embarks upon a sustainable transformation journey.

E-mail us to initiate an assessment for your organization. manufacturing@hitachivantara.com
IMMA Themes

Theme 1: Digital Strategy
Under the Digital Strategy theme, the organization is evaluated for clarity of vision, the evidence of a defined roadmap and the presence of dedicated teams to drive and implement strategies. The outcome of this theme presents opportunities that can be investigated with respect to the organizational goal of being positioned as a world class manufacturing organization.

Theme 2: Organization
The theme of organization focuses on evaluating the basis for effective practices around workforce utilization, worker safety, change management and sustainability. The outcome of this theme highlights areas of improvement pertaining to safety norms and positions making the workplace future ready.

Theme 3: Systems and Technology
Under the systems and technology theme, we assess the technology landscape of the organization and the current practices around IT application, IT & IoT infrastructure and data governance. The outcome of this theme highlights the gaps in industrial IoT infrastructure thus providing insight into specific technology upgrades that enable an intelligent organization.

Theme 4: Operations
The IMMA Operations theme focuses on five key functional areas in the manufacturing plant, which are workforce safety, quality, production, maintenance and supply chain. The assessment is crafted in such a way as to capture not just the qualitative information but also operational metrics that correlate to the current state of maturity. The operations theme covers the breadth and depth of manufacturing excellence and highlights operational areas that have a scope for improvement in comparison with world class standards. Gaps identified under the operations theme are presented to your organization in a structured way, giving directional input on the suggested areas of improvement as well as solutions that can be deployed.

IMMA | Summary of Findings

- Understanding of current state of maturity
- View of diverse perspectives within the organization
- Guidance on industry best practices
- Inputs for prioritizing Intelligent Manufacturing transformation
Client Centric Consulting Partner

Hitachi has operations experts with 110+ years of building and developing operational technologies (OT) and equipment. Digital know-how with 50+ years of cutting-edge IT experience, research, patents and innovative solutions. With vast experience in IT and OT we bring the best IoT systems to gain meaningful and actionable insights for our clients.

**Management Consulting:** We believe in consulting led digital transformation to bring out exceptional return on investment from digital solutions.

**Qualitative and Quantitative Approach:** A proven methodology; our approach is an amalgamation of robust quantitative and qualitative assessment techniques to develop a high-level roadmap for your intelligent manufacturing journey.

**End-to-End Expertise:** Through One-Hitachi we have the capability to deliver meaningful impact to our clients in various fields ranging from consulting, IT & OT hardware and digital solutions. We believe in working with clients throughout their the digital journey to bring positive impact.

We Are Hitachi Vantara

We guide our customers from what’s now to what’s next by solving their digital challenges. Working alongside each customer, we apply our unmatched industrial and digital capabilities to their data and applications to benefit both business and society.