

HCL

Smart factory assessment



Digital Plant Maturity Assessment and Roadmap Development

Top executives among all manufacturing companies are talking about ‘digital thread’ and ‘digital manufacturing’. They want to embrace new technology trends as part of Industry 4.0. However, they are unsure of how these trends relate to initiatives like ‘connected factory’, ‘smart manufacturing’, ‘factory of the future’, etc., and to technology trends such as the Internet of Things, big data, and artificial intelligence.

HCL’s Digital Plant Maturity Assessment offering helps clients understand the following:



What is your roadmap for the Industry 4.0 transformation journey?



What capabilities are required by you in Industry 4.0?



Where are you in terms of maturity? What are the logical steps to improve on your digital thread?



What is your readiness to embark on this transformational journey to smart manufacturing and digital manufacturing?

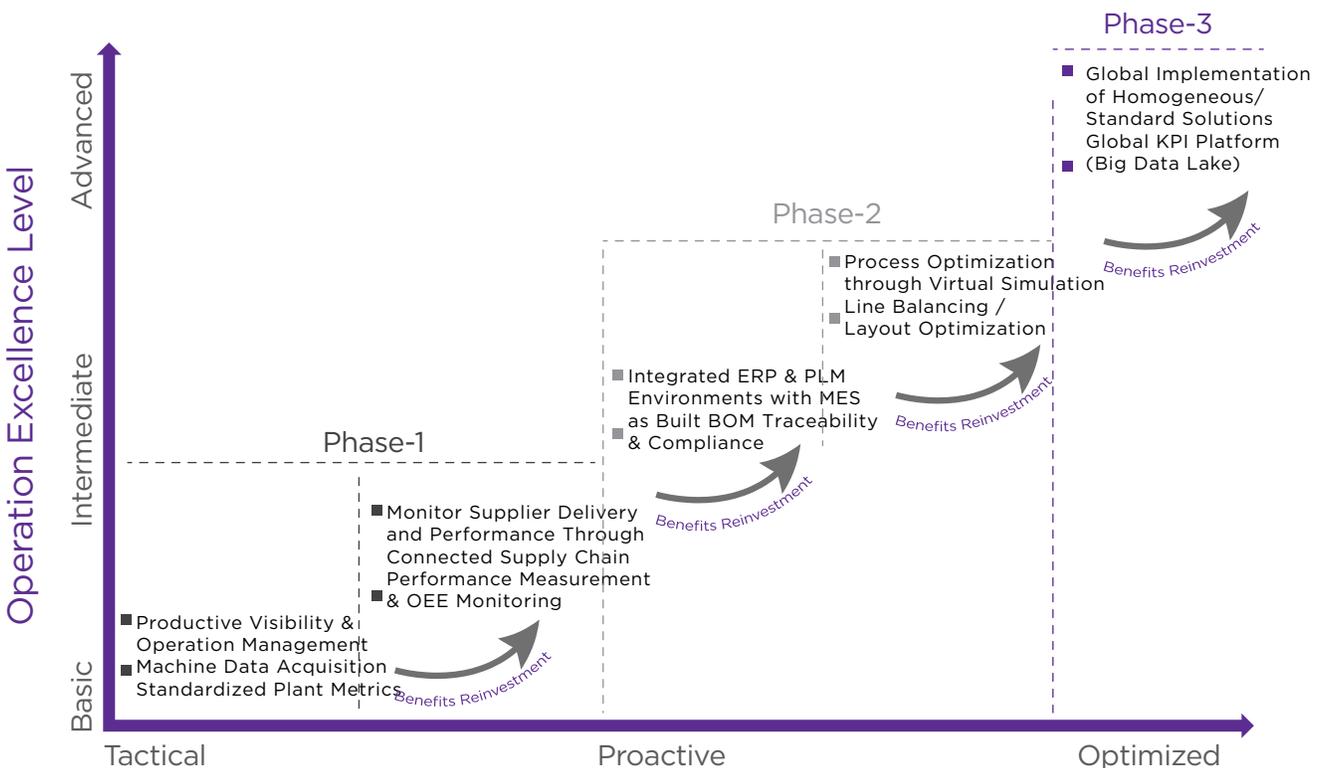


Figure 1: Operation Excellence Levels in HCL’s Digital Plant Maturity Assessment and Roadmap Development Solution

HCL has developed a structured approach to assess current capability, readiness for the Industry 4.0 journey of CPG enterprises covering MES/MOM, supply chain, and connected smart factory integrations.

HCL's Industry 4.0 Assessment Framework



Business Assessment

- Assessment of key business parameters which impact adoption of Industry 4.0 driven digital transformation
- Discover the potential of current state by comparing with industry best practices to design "Factory of Future"
- Industry 4.0 implementation strategy and roadmap
- Business case development along with total cost of ownership and return on investment



Technology Assessment

- Evaluation of existing system and identify the technology roadmap, regulatory requirements aligned with new processes & requirements
- Develop technology upgradation roadmap, includes solution architecture, technology stack, use cases, and plan to IoTize external system
- Provide technical recommendations, approach and execution plan for smart factory adoption

Table 1: Business and Technology Assessments of HCL's Industry 4.0 Assessment Framework

Digital Plant Maturity Areas

HCL's assessment produces a very detailed and comprehensive report covering all twelve aspects of digital plant maturity. HCL also provides unique financial models to compute benefits and returns on investment.



Plant Automation



Manufacturing Simulation



Manufacturing Execution



3D Printing / Additive MFG



Manufacturing Data Analytics



Robotics & Artificial Intelligence



Plant Cybersecurity



Manufacturing on Cloud



Smart Maintenance



Augmented / Virtual Reality



Systems Interoperability & Governance



Value Chain Integration



Discover how HCL can enable innovative solutions for your enterprise by sending an email to rcpg.solutions@hcl.com

Explore CPG 4.0 Solutions

#CPGbyHCL



HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.



www.hcltech.com

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on March 31, 2021, HCL has a consolidated revenue of US\$ 10.17 billion and its 168,977 ideapreneurs operate out of 50 countries. For more information, visit www.hcltech.com