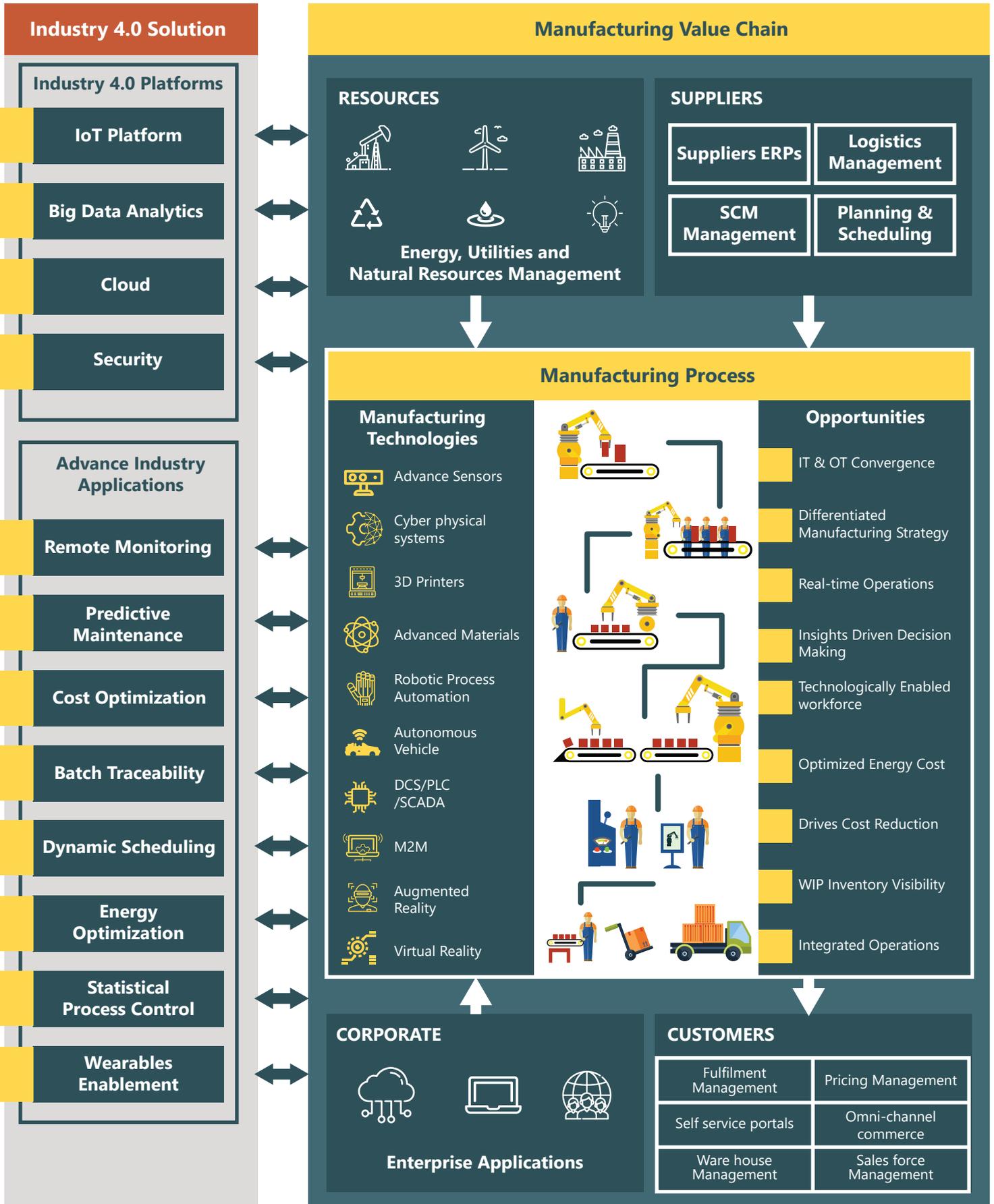


ENABLING INDUSTRY 4.0

Happiest Minds is a digital technology leader in providing services & solution for enabling Industry 4.0 for global manufacturer



Components of Industry 4.0

Cyber Physical Devices -

A mechanism controlled device monitored by computer-based algorithms, tightly integrated with the operational process and internet (IoT platform). Examples - smart grid sensors, autonomous automobile, medical monitoring equipments, process control systems, robotics systems, and field sensors or devices.

IoT & Platforms

IoT is the inter-networking of cyber physical systems / devices and network connectivity which enable these objects to collect and exchange data. The IoT platform also allows objects to be sensed or controlled remotely across existing network infrastructure, thus creating opportunities for more direct integration of the physical world into computer-based systems.

Advance Applications

A set of application developed from the data collected from the IoT platforms.



Steps for a transformation journey for a Manufacturing Plant

- 1 Design and develop Digital Ecosystem on the IoT platform for the operational visibility & control
- 2 Connect to existing plant L1/ L2 (automation) devices, PLC, HMI, DCS and SCADA systems to the digital ecosystem
- 3 Install IOT devices on digital ecosystem to enable monitoring and control of manual & less automated processes
- 4 Enable human interfaces for missing data, maintenance requests and logs through the internet accessible digital application built on digital ecosystem
- 5 Bring Data Analytics Techniques for better Insights & Predictions as applications on digital ecosystem

About Happiest Minds Technologies:

Happiest Minds, the Mindful IT Company, applies agile methodologies to enable digital transformation for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, Internet of Things, Cloud, Security, SDN-NFV, RPA, Blockchain, etc. Positioned as "Born Digital . Born Agile", our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India; Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.