



happiest minds

The Mindful IT Company

Born **Digital** . Born **Agile**



# POWERING THE FUTURE OF INDUSTRIAL SOLUTIONS

TRANSFORMING POSSIBILITIES  
INTO REALITY

# A DIGITAL PLAYGROUND WITH LIMITLESS POSSIBILITIES



The manufacturing industry is ripe with innovations that are being made possible with the advent of digital technologies. The focus is on designing next-generation connected products, enhance customer experiences, automate manual processes and enhance internal productivity.

**IDC** forecasts that by the end of 2027, **70% of OEMs** will autonomously trigger service work orders and resolution recommendations based on **AI and machine learning**, improving mean-time-to-repair by 10% annually.

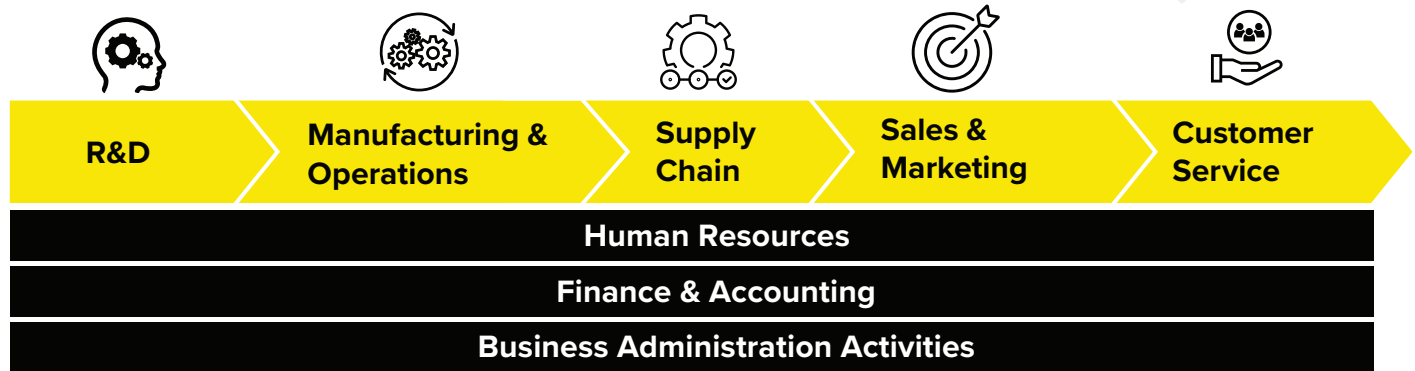
At the same time, Sustainability has become one of the top priorities of CEOs around the world. IDC predicts that by 2026 **60% of OEM's will embrace sustainability-driven product design** by using product life-cycle management to track key metrics for engineering, manufacturing, suppliers, and services. Also, as part of the drive towards sustainability there has been a rise in the adoption of electric vehicles – in fact, Bloomberg New Energy Finance expects **EVs** to account for **10% of all new car sales by 2025** and **58% by 2040**. **McKinsey** estimates **70% increase in RPA adoption in the Manufacturing industry since 2018**.

In addition, there have been significant investments in digital technologies such as cloud, IoT, Automation, advanced analytics, AI/ML and edge computing with the intent to create future-ready platforms that can actualize reimagined customer experiences.

# ENGINEERING AN **END-TO-END DIGITAL INDUSTRIAL ECOSYSTEM**

While significant investments have been made in digital technologies, realizing their full value requires a careful and deliberate approach that harnesses the strengths of specialized technology partners.

Happiest Minds delivers impact to our clients across the entire value chain.



We are focused on helping clients across these market segments –



### Industrial OEMs

- Mechanical and Electrical Products
- Industrial Products
- Industrial Field Devices
- Heavy Equipment Manufacturers



### Industrial Platforms & Solutions

- Gateway/PLC, SCADA, DCS, MES
- Asset Performance Management Platforms
- Plant Operations Solutions
- Power Management Solutions
- Commercial Operations Platforms
- Animal Management Solutions

## Industries We Serve



Automotive



Chemical



Pulp & Paper



Energy &  
Utilities



Waste Water



Metals



Mining



Food &  
Beverage



Semiconductors



Agriculture &  
Farm



Textiles



The journey with our customers is uniquely pivoted on the maturity of the organization, systems and goals and how we bring a 'value-driven' and 'outcome-based' approach for sustainable success.

## FUTURE PRODUCTS

Powering the future with connected products



## FUTURE MANUFACTURING

Building the factory of the future with connected manufacturing and Industry 4.0



## FUTURE OPERATIONS

Optimizing your business with connected operations and enabling sustainable solutions



## FUTURE EXPERIENCE

Transforming customer engagement through connected experiences



# OUR 360-DEGREE DIGITAL TRANSFORMATION PLAY

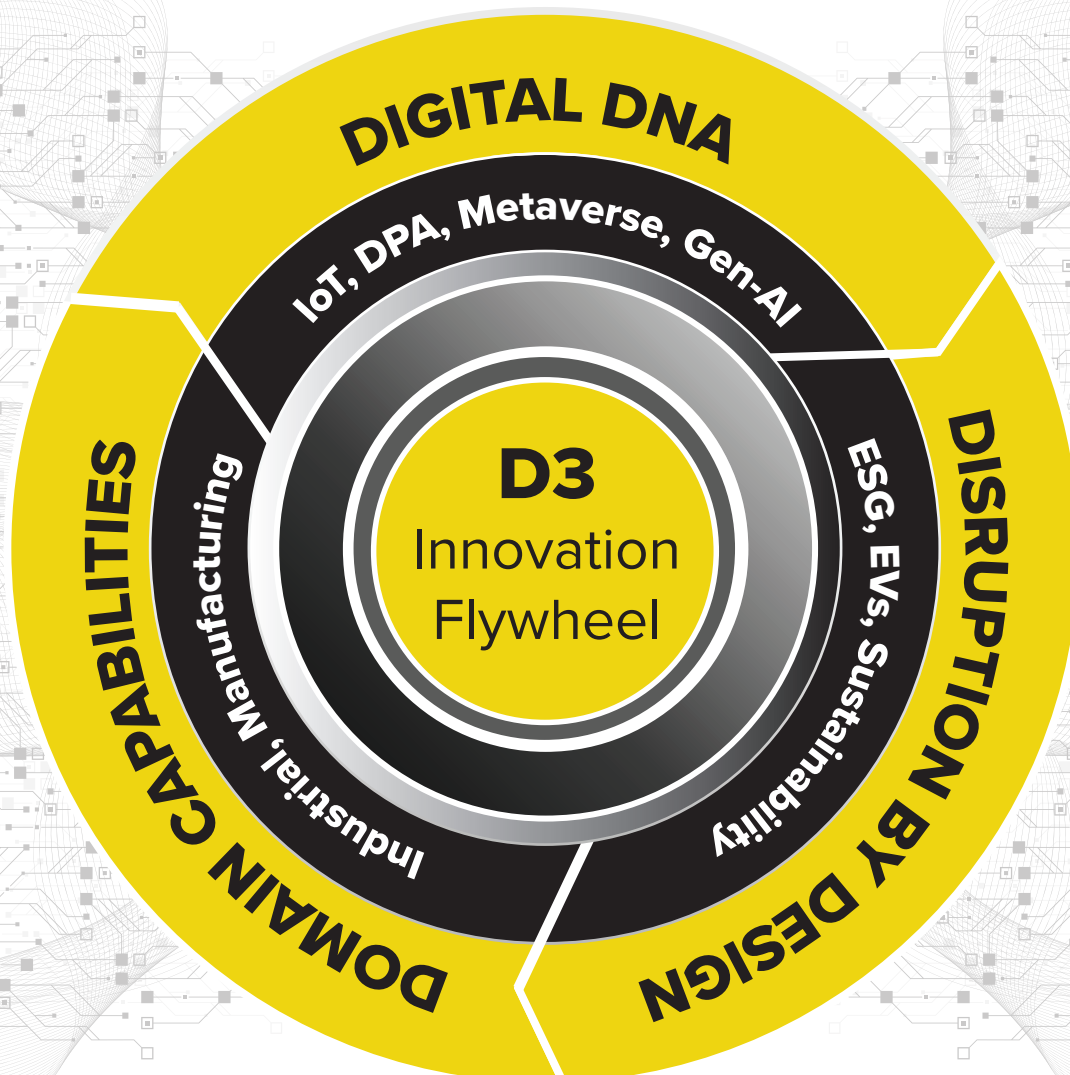
Happiest Minds enables digital transformation for enterprises and technology providers by delivering seamless customer experiences.

We see the market being shaped by many positive disruptions to create businesses that are more sustainable, equitable and energy efficient.

As a result, we have consciously coupled our digital DNA and domain capabilities to drive measurable impact across our focus industries by leveraging digital tech while also driving disruption in areas such as ESG, EVs and Ecosystem, Sustainable Manufacturing and many more.

We do this by leveraging core industry domain expertise augmented with a spectrum of disruptive technologies such as: artificial intelligence, cloud, digital process automation, internet of things, security, virtual/augmented reality, and capitalizing on our product engineering DNA. Our capabilities span digital platforms, infrastructure, product engineering and security.

We connect the dots and see the bigger picture – from strategy to running products.



# POWERING THE FUTURE OF INDUSTRIAL SOLUTIONS

## 1 Predictive Maintenance

While products involving mechanical, electrical and electronics systems have existed for years, we can help to facilitate the next level of evolution with addition of new sensors, actuation systems and controller software with inclusion of IoT and AI/ML to find patterns in errors and mitigate downtime.

## 2 Smart Factories

We can help you embrace Industry 4.0 to create smart factories that help achieve operational efficiency, reduce costs, and enhance product quality. We can also work with you to invest in technologies that allow the edge to become more intelligent and explore ways in which this intelligence can be constantly upgraded.

## 3 Digital Twin

We can help you leverage Digital Twins and Digital Threads and help you co-relate data across the industrial lifecycle to obtain tangible benefits like enhancing the design and quality of the product, improve field service operations and enable new business models such as a product-as-a-service.

## 4 Supply Chain Management

We can use automation, robotics, RFID tags & predictive analytics to help you optimize your supply chain processes, reduce costs, improve efficiency, and enhance customer satisfaction. Industry 4.0 technologies such as IoT and blockchain can enable real-time visibility, allowing organizations to track inventory and manage logistics in real time.

## 5 Customer Experience

In today's hyper competitive landscape, customer experience can be a truly unique differentiator. We can help you reimagine the customer journey, define new experiences for evolving business models, help organizations gain insights about customer behavior through Customer 360. In addition, we can also enable e-commerce platforms or experience centers in the Metaverse.

## 6 E-Mobility

E-mobility is a growing trend in Industry 4.0, with the increasing demand for electric vehicles and the need for sustainable transportation solutions. We support e-mobility through solutions around fleet management, EV charging stations, battery management solutions, digital and experience platforms and 5G connected car platforms.

## 7 Sustainability

As enterprises are accelerating their carbon-neutrality and net-zero timelines, there has been an upsurge in investments to drive innovations in sustainable manufacturing. We help customers identify and deploy sustainable technologies and build digital platforms around ESG reporting/analytics, supplier sustainability benchmarking, carbon offsets, smart buildings, energy management & optimization solutions.





Happiest Minds has consistently invested great time and effort in creating value for our clients by creating solution accelerators and frameworks that can quantifiably reduce the time to market for our clients.

Some of these accelerators are listed below:

### **4E Mindful Thinking Framework**

Consulting framework for Industry 4.0 and smart & intelligent products enablement – enabled by Industry 4.0 use case library



### **Demand Forecasting**

Demand forecasting solution to reduce inventory and out of stock scenarios



### **Connected Factory**

Connected factory reference architecture



### **Digital Twin**

Framework to enable product twin for industrial products & vehicles



### **Device Test Automation Framework**

Embedded test automation framework



### **Energy Monitoring**

Real-time analysis, trend dashboard, consumption comparison, automated energy saving



### **Computer Vision**

Computer Vision framework to support detection and tracking from real time video feed (vehicle tracking, face recognition, quality detection, scene mining)



### **Metaverse**

Framework to enable Metaverse use cases along with a working model for Autoverse



### **Anomaly Detection**

Feedback based domain agnostic solution that automates the process of finding outliers



### **Design Thinking**

Framework for design thinking for persona development and user journeys



# Engage with us in a way that works for YOU!

You can choose to start with Happiest Minds by picking one of three different engagement models based on where you are in your journey.



Please write to us at  
**[business@happiestminds.com](mailto:business@happiestminds.com)**  
for more details.

## About Happiest Minds Technologies

Happiest Minds Technologies Limited (NSE: HAPPSTMNDS), a Mindful IT Company, enables **digital transformation** for enterprises and technology providers by delivering seamless customer experiences, business efficiency and actionable insights. We do this by leveraging a spectrum of disruptive technologies such as: **artificial intelligence, blockchain, cloud, digital process automation, internet of things**, robotics/drones, **security, virtual/ augmented reality**, etc. Positioned as 'Born Digital . Born Agile', our capabilities span Product & Digital Engineering Services (PDES), Generative AI Business Services (GBS) and Infrastructure Management & Security Services (IMSS). We deliver these services across industry sectors such as automotive, BFSI, consumer packaged goods, e-commerce, EdTech, engineering R&D, healthcare, hi-tech, manufacturing, retail, and travel/transportation/hospitality. The company has been recognized for its excellence in Corporate Governance practices by Golden Peacock and ICSI. A Great Place to Work Certified™ company, Happiest Minds is headquartered in Bangalore, India with operations in the U.S., UK, Canada, Australia, and Middle East.