



**happiest minds**

The Mindful IT Company

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



# CREATING A SMART, SECURE AND CONNECTED WORLD WITH THE INTERNET OF THINGS

## IoT – Solutions and Services

We are now living in a world where the number of smart devices has far exceeded the number of human beings using them. So it shouldn't come as much of a surprise that we are rapidly moving towards a reality where devices are able to connect with each other and their users in an intelligent and timely manner. In addition, the technological landscape we operate in is increasingly becoming "software defined" and forcing enterprises to embrace a paradigm that will fundamentally change how we create, consume and communicate.

The Internet of Things is based in the simple yet revolutionary idea of blurring the lines between the physical and digital worlds to create an ecosystem that is smart,

secure and connected. The true potential of the Internet of Things (IoT) lies in the ability to combine device-generated data with data created by humans for deeper insights and better real-time decision making.

Happiest Minds brings the right blend of technology, domain and consulting expertise to understand each customer's unique requirements and develop a solution that can be readily integrated across several business processes. We look to provide ideas and insights to enterprises and work with them in a collaborative and consultative manner to help them maximize the true potential of IoT.

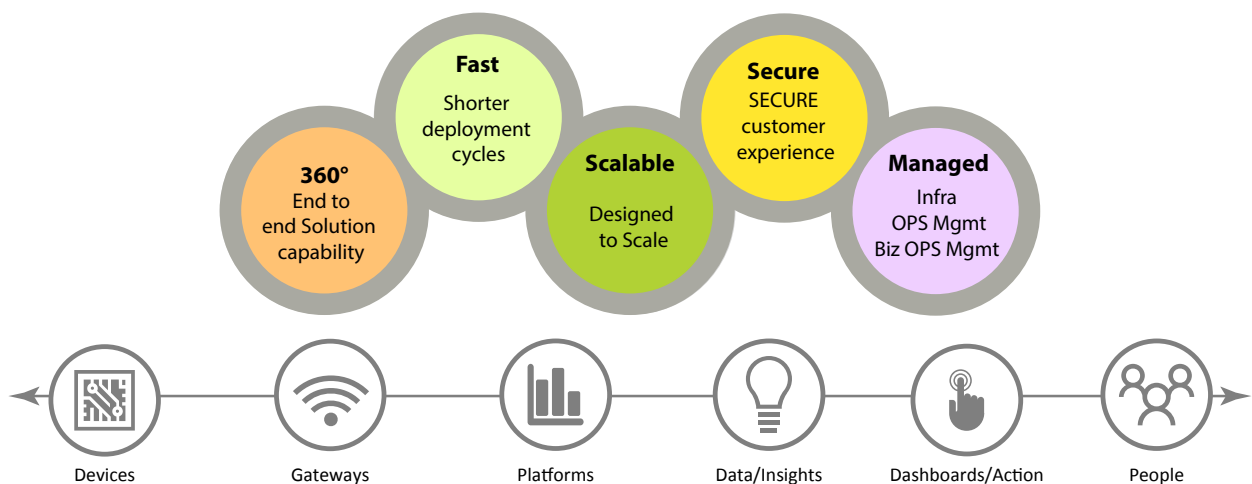
Our expertise can be described through 7 pillars:

## Unlock the potential of IoT for a Smart, Secure and Connected Customer Experience

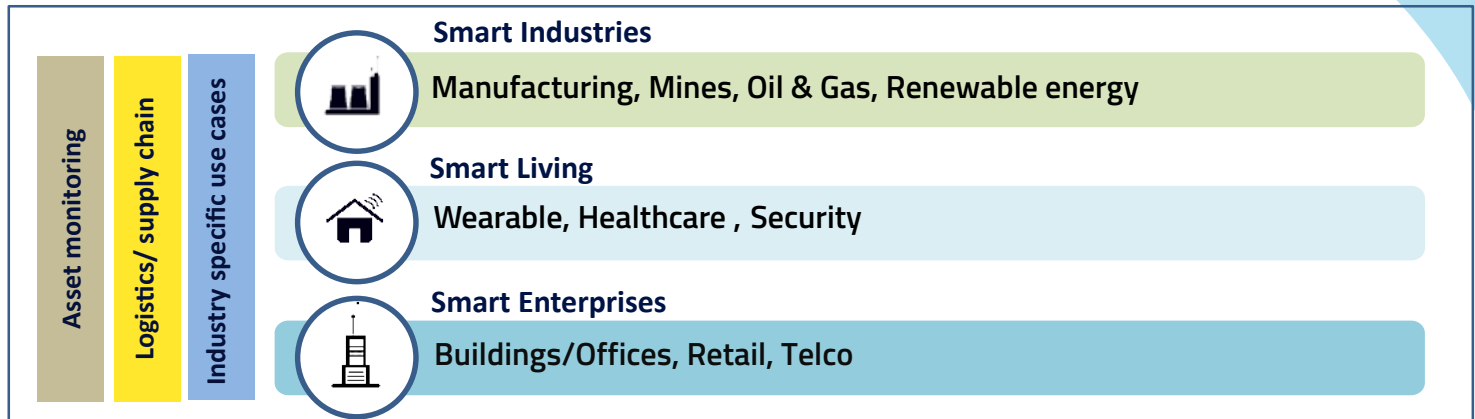


Using this approach Happiest Minds looks to provide services in the IoT space which are intended to drive business value and improve efficiency while bringing down operational and maintenance costs. Our objective is to help our customers connect and scale efficiently, analyze and act on new data, integrate and transform business processes while benefiting from a secure and managed infrastructure.

At Happiest Minds, we have a dedicated IoT Center of Excellence that works on providing the most holistic set of services that are ready to deliver value by providing

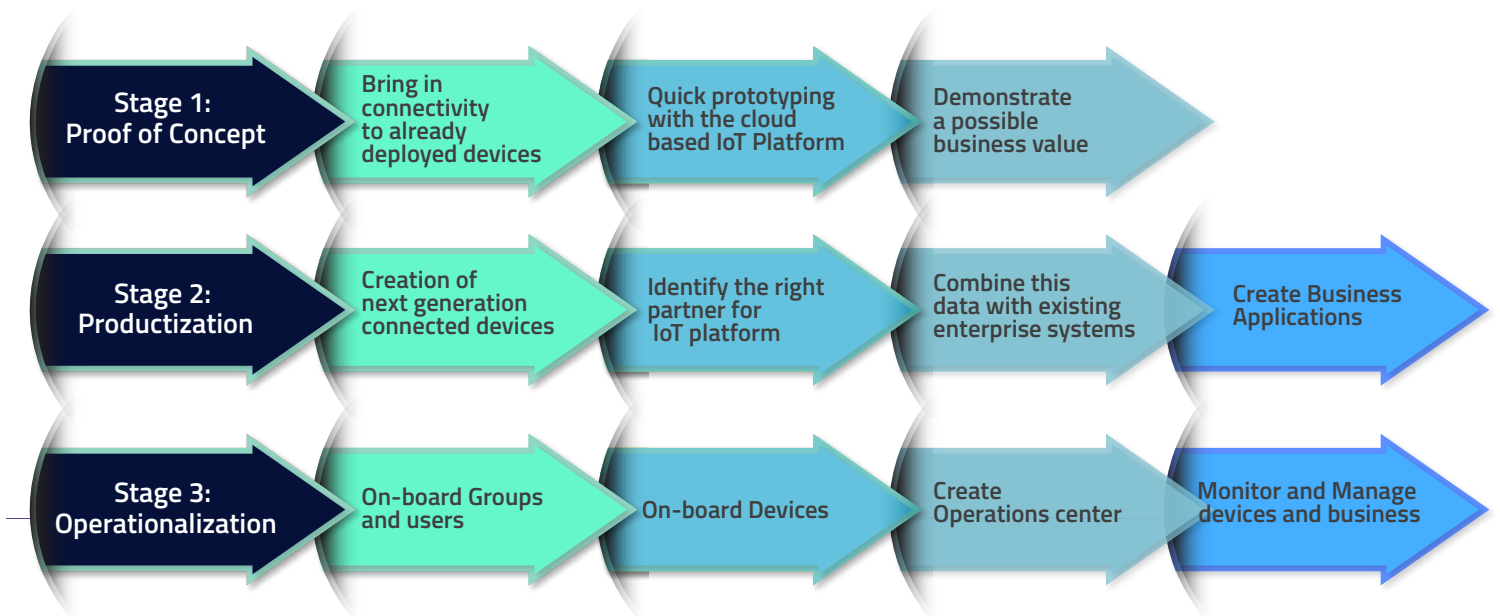


## IoT Focus Areas for Happiest Minds



While we focus predominantly on the segments mentioned above, we have expertise across all stages of IoT adoption to provide our customers with a seamless single vendor experience to maximize their efficiencies. We work with you in delivering just the right proof of concept to secure the approval of your management. We then work with you closely across the different phases of your IoT journey all the way to creating a dedicated IoT operations center that is necessary for an enterprise wide IoT rollout.

## Expertise across all stages of IoT Adoption



## Creating the building blocks of a smart and successful IoT journey

We at Happiest Minds have taken an approach that involves building proprietary frameworks across our focus areas and subsequently leveraging a strong partner ecosystem to deliver the greatest value to our customers. We have strategically chosen to build 5 different frameworks that are meant to address unique customer needs.

### These frameworks are:

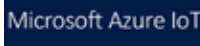

**Gateway Management Framework** - A software based, hardware-agnostic gateway framework that allows secure connectivity to sensors and the cloud

**MIDAS** - A secure platform that has the right components and infrastructure to ensure smooth implementation of IoT solutions. Application Enablement -

**Anomaly Detection** - A feedback based domain agnostic solution that uses statistical, supervised and artificially intelligent algorithms to automate the process of finding outliers

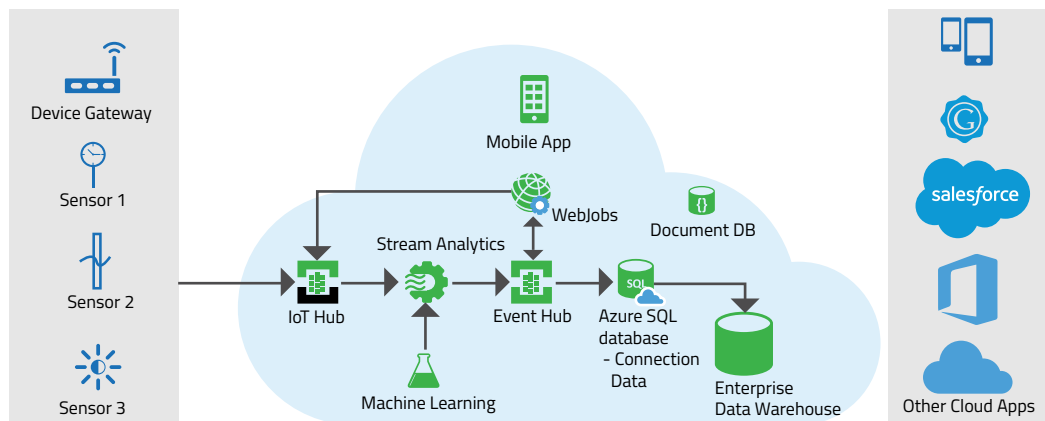
**Developer Engagement Platform** - An innovative solution that gives API providers a method to socialize their APIs and then educate, communicate and contribute with the developer community.

In addition to these frameworks, we have built a strong ecosystem of partners across platforms and devices. This has resulted in us acquiring a host of customers across the globe and receiving recognitions from the analyst and advisor community. Provided below is a quick snapshot:

<b>30+ IoT Customers</b>	<b>200+ SMES</b>	<b>50+ Partners</b>	<b>20 + Analyst mentions</b>	
Industry Memberships		Partner Eco system		
 		<b>Platform</b>  	<b>Device</b>     	<b>Semi</b>   

## Case Study – Helping a Manufacturing Conglomerate unlock the full potential of IoT

<b>Client</b>	Leader in the chemical processing and water treatment space providing solutions for 13 market segments
<b>Client Situation</b>	<ul style="list-style-type: none"> <li>Some segments experimented with connected solutions but adoption was an issue</li> <li>Other segments were lagging and were yet to get into IoT and Digitization</li> <li>Each segment had its own IoT initiative with no common infrastructure</li> <li>There was a strong need to have a common vision of IoT across the organization to optimize development and maintenance costs</li> </ul>
<b>Happiest Minds Scope</b>	<ul style="list-style-type: none"> <li>Consulting on creation of the technology roadmap for common controller, cloud platform and mobile SDK architecture applied to all the businesses</li> <li>Controller and gateway to redesigned for LoRa based communication</li> <li>Build the common IoT infrastructure using Azure IoT to:             <ul style="list-style-type: none"> <li>Collect data from thousands of devices simultaneously and do streaming analytics</li> <li>Design a big data platform for scalability and performance</li> <li>Stream analytics and data models for the data captured</li> <li>Security built in into the design</li> <li>Portals and mobile Apps for multiple use cases</li> </ul> </li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>Azure IoT Suite, Stream Analytics, Data Factory, Data Catalog</li> <li>Blob Storage and Document DB</li> <li>Web API, C#</li> </ul>



### 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.

United Kingdom  
 United States  
 Australia  
 Bangalore

To know more about our offerings. Please write to us at  
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