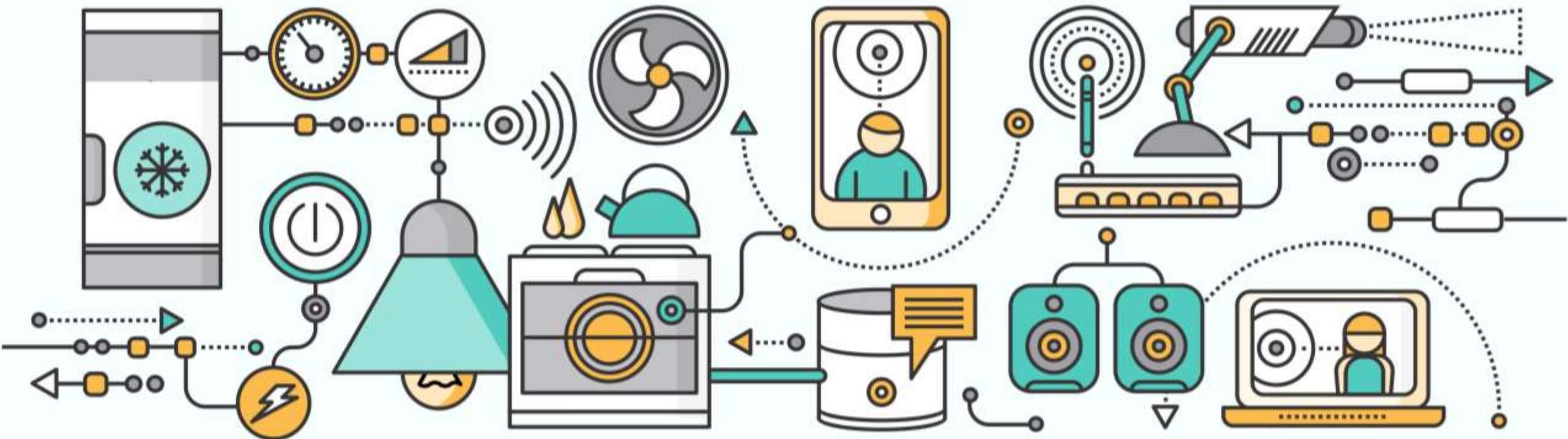


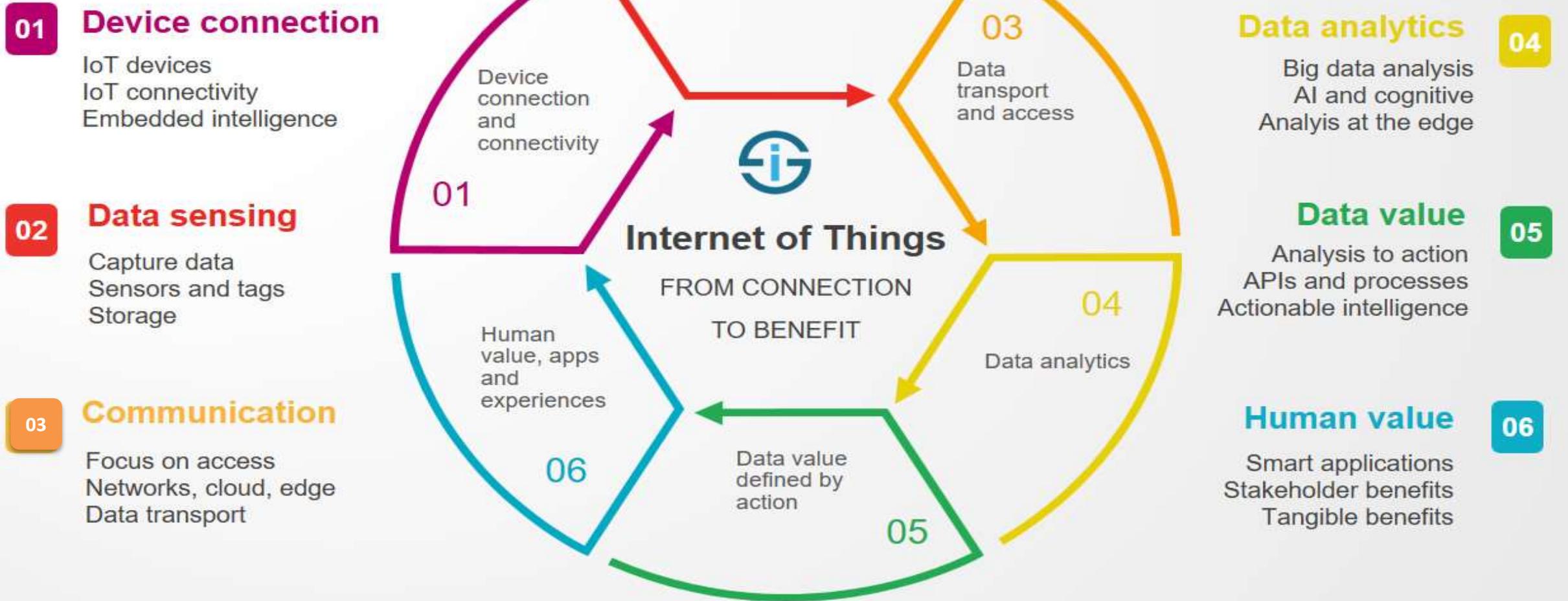
Connected Industry & Enterprise

Role of “IoT” and “AI”



The Internet of Things

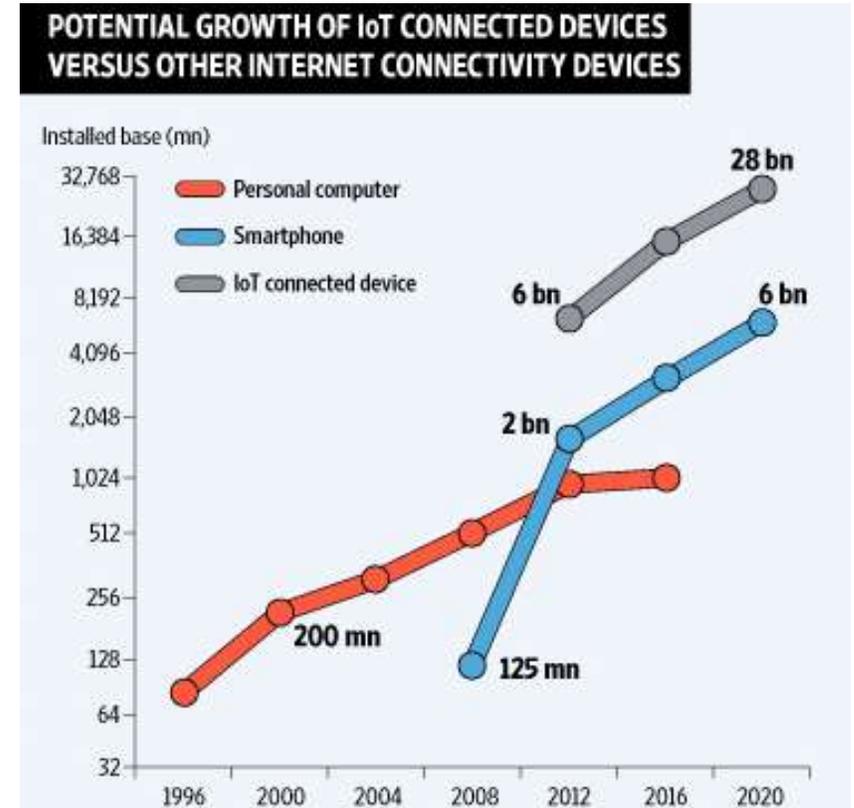
From connecting devices to human value



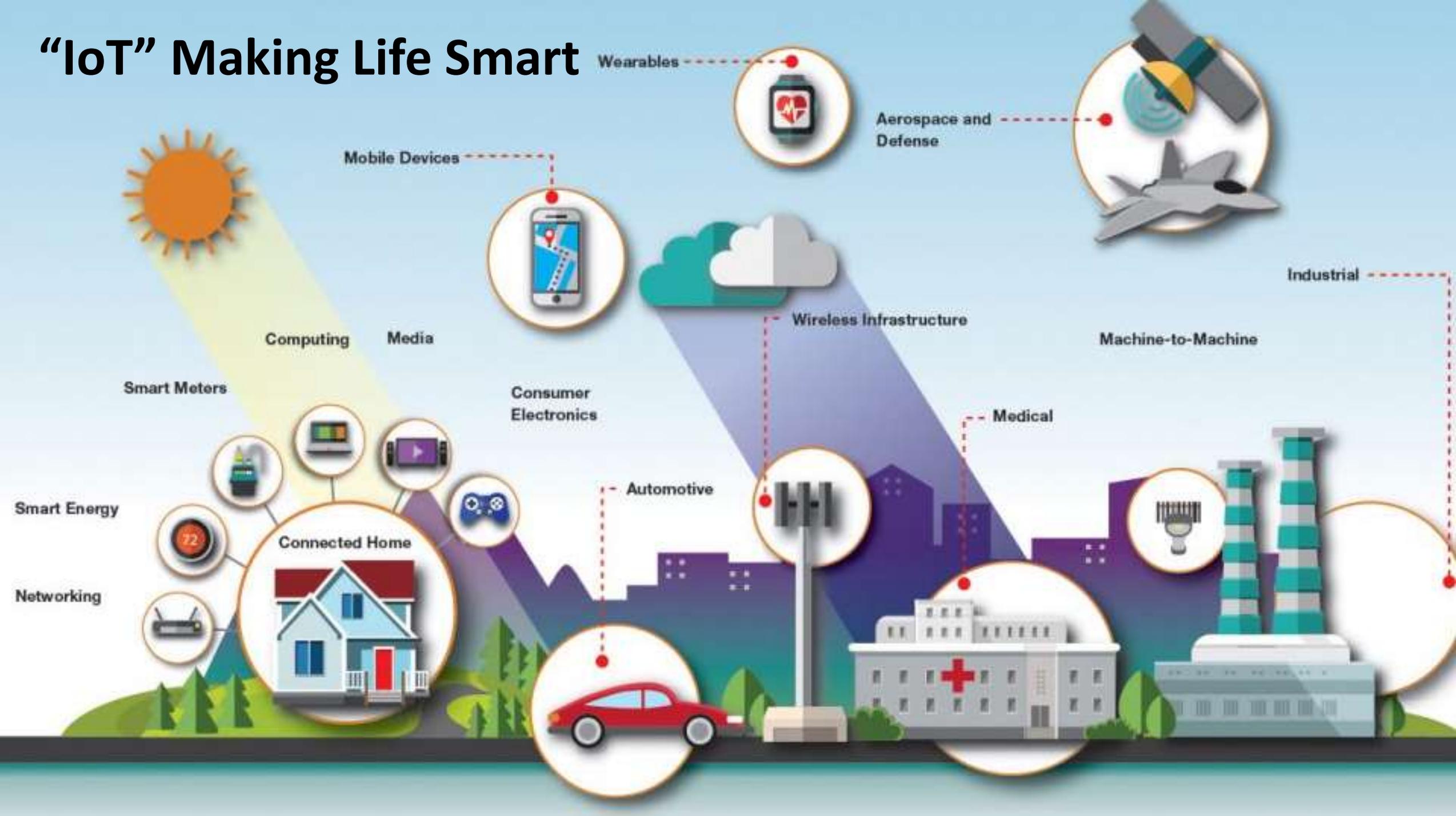
“IoT” the key to digital transformation.

IoT is expected to connect **28 billion devices to the Internet by 2020**, compared with one billion users accessing the Net through personal computers or two billion users accessing it via phones and tablets.

India released its first IoT framework in October that aims to create a **\$15 billion market by 2020**, impacting the growth of connected devices from the current **200 million to 2.7 billion by 2020**.



“IoT” Making Life Smart





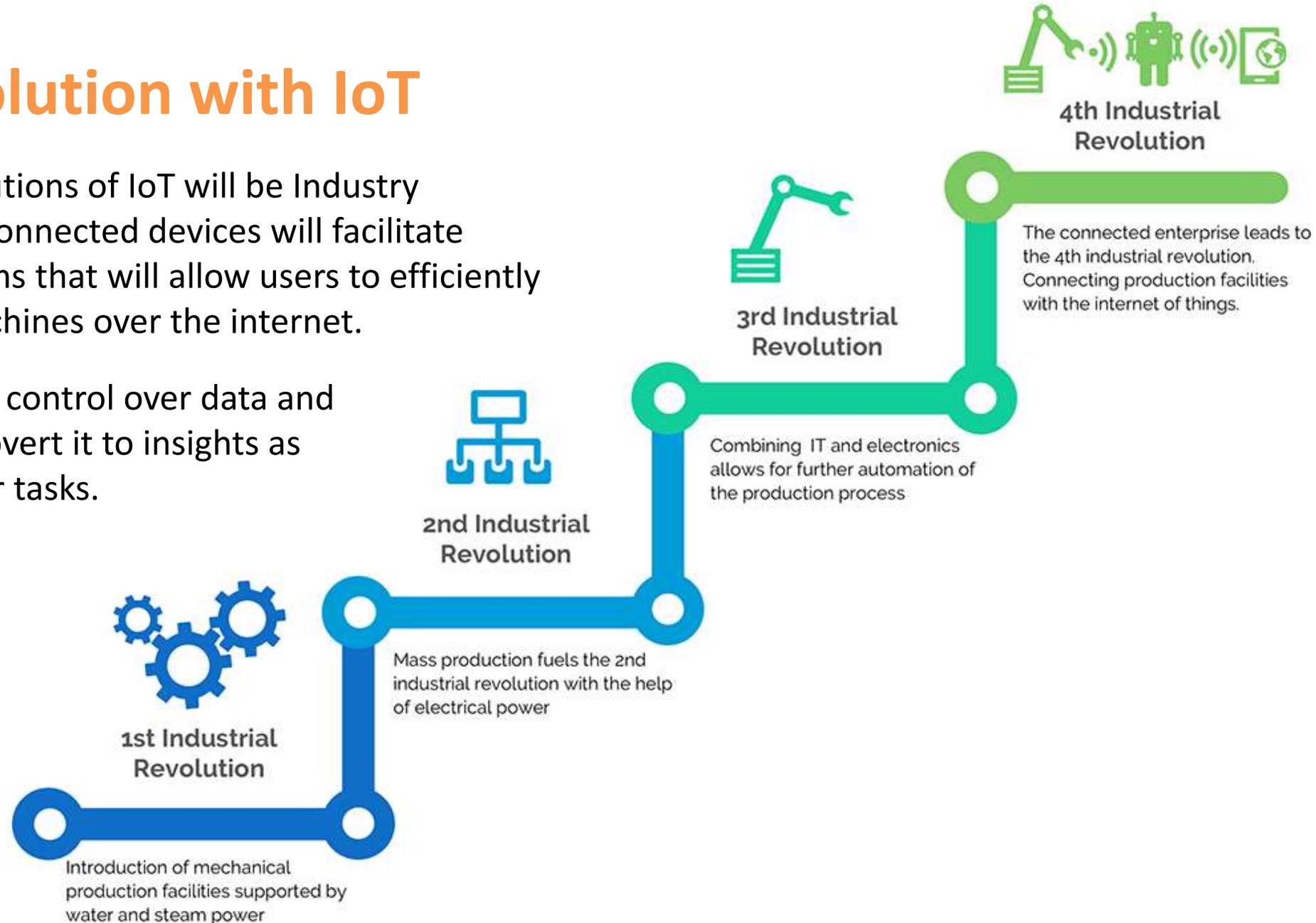
Smart Cities

IoT will be the backbone in building smart public infrastructure which would deliver clean water, dependable power, safe gas, and efficient public lighting.

Industrial Revolution with IoT

One of the biggest contributions of IoT will be Industry automation. The internet connected devices will facilitate industry automation systems that will allow users to efficiently control appliances and machines over the internet.

Users will experience more control over data and will be able to efficiently convert it to insights as well while automating their tasks.





MANUFACTURING PLANT

GLOBAL FACILITY INSIGHT



CUSTOMER SITE



GLOBAL OPERATIONS

Monitor production flow in near-real time to eliminate waste and unnecessary work in process inventory.

Manage equipment remotely, using temperature limits and other settings to conserve energy and reduce costs.

Transmits operational information to the partner (e.g. OEM) and to field service engineers for remote process automation and optimization.

I can see my production line status and recommend adjustments to better manage operational cost.

Management



I gain insight into usage patterns from multiple customers and track equipment deterioration, enabling me to reengineer products for better performance.

R&D



I know when to deploy the right resources for predictive maintenance to minimize equipment failures and reduce service cost.

Field Service

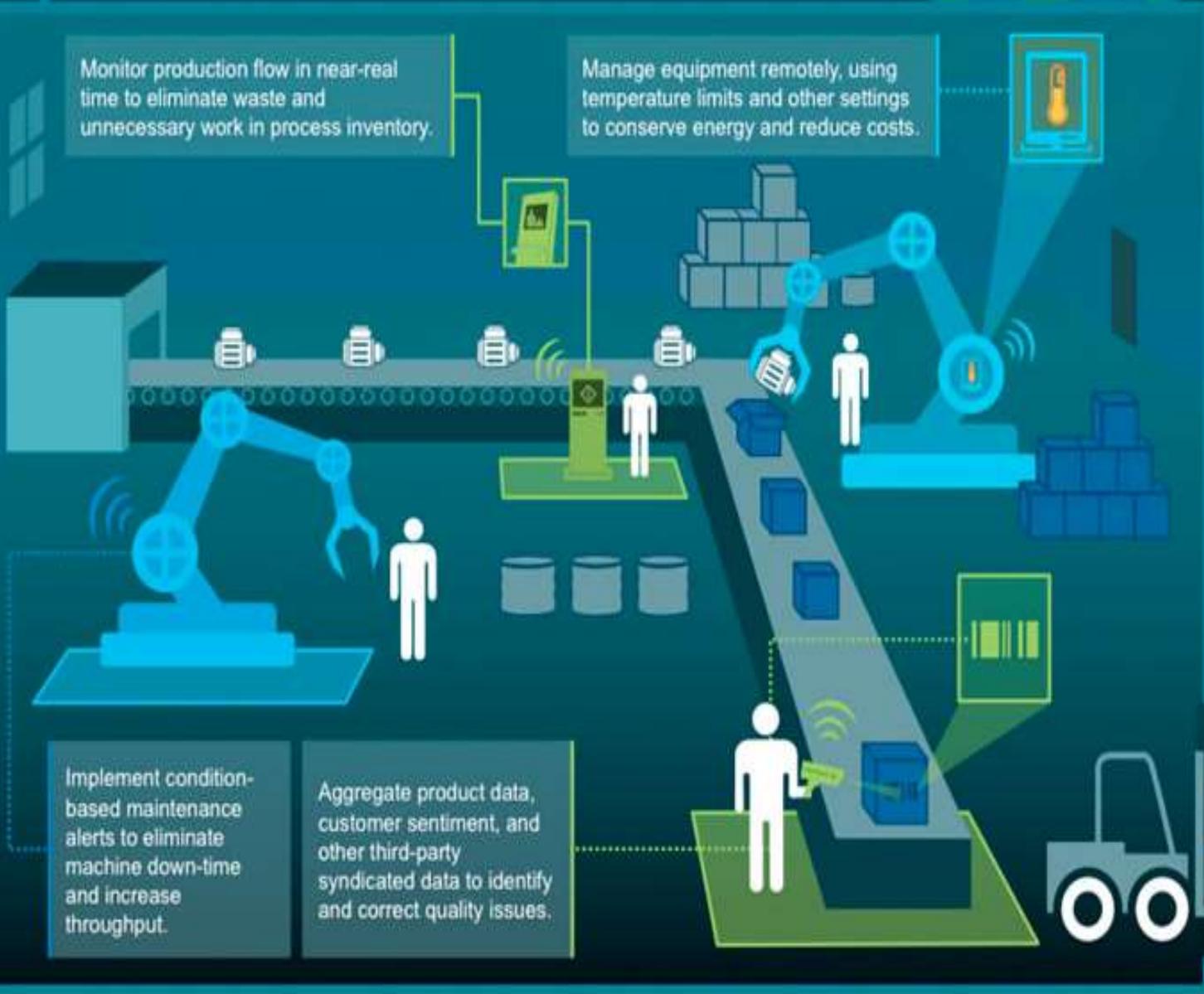


Implement condition-based maintenance alerts to eliminate machine down-time and increase throughput.

Aggregate product data, customer sentiment, and other third-party syndicated data to identify and correct quality issues.

Provide cross-channel visibility into inventories to optimize supply and reduce shared costs in the value chain.

THIRD-PARTY LOGISTICS

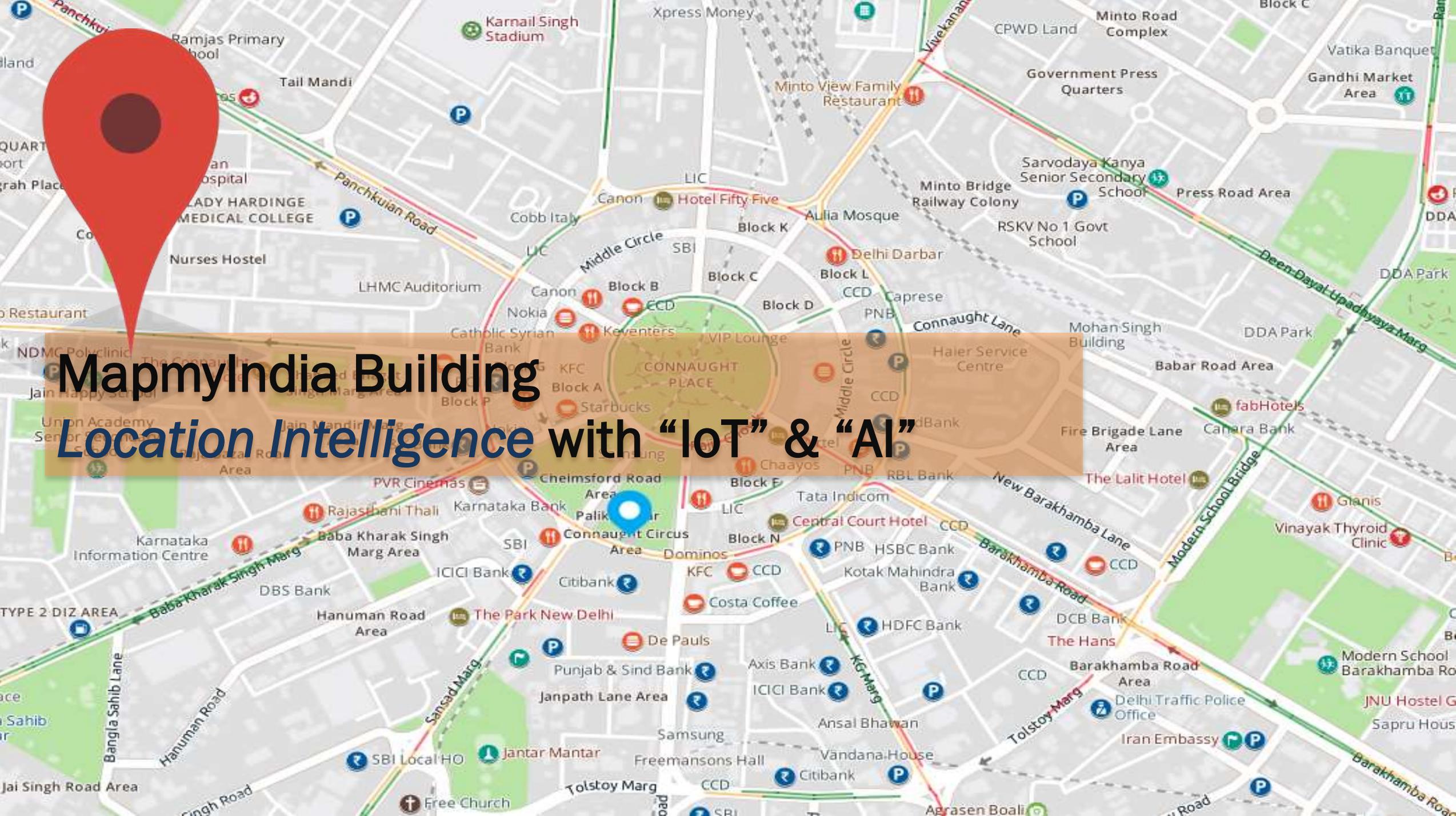




Big Data Analytics

IoT devices such as sensors will be producing trillions of data points that will enable users to stream information with a different perspective wherein useful insights will be gathered from the data points.

Such insights will be used for devising strategies, averting risks, controlling and managing tasks efficiently thereby also helping organizations create new business models.



MapmyIndia Building Location Intelligence with "IoT" & "AI"

Intouch IoT Technology Stack



Map Engine



Intouch Platform



Analytics Platform

MAP

THE FUTURE

From the past to the present of unparalleled map data



Cartography



GIS Digital Maps



3D Navigation Maps



360° Panoramic Outdoor Maps



Live Maps



ADAS HD Maps



360° Panoramic Indoor Maps



3D Laser Maps

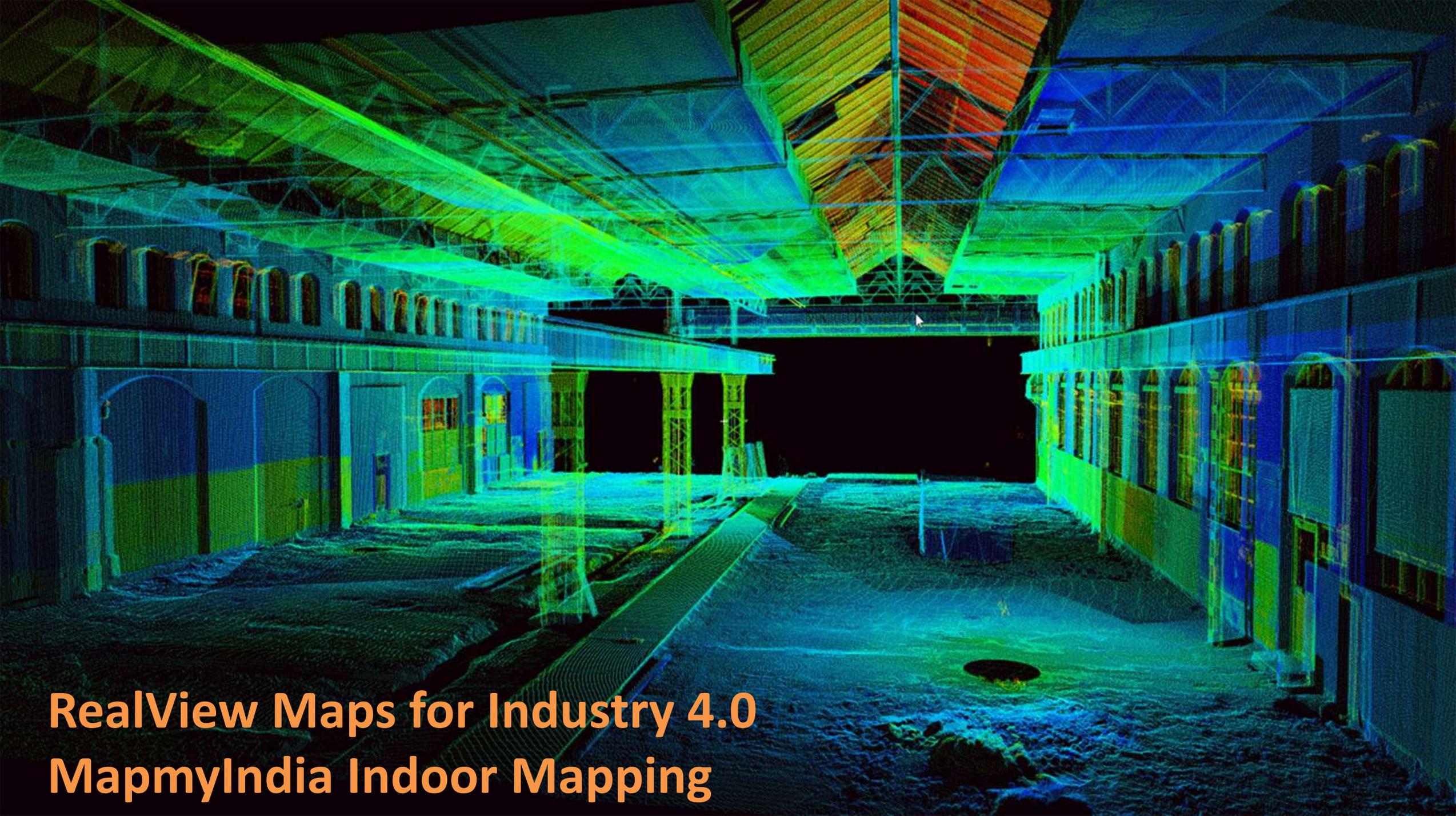


Advance Video Maps

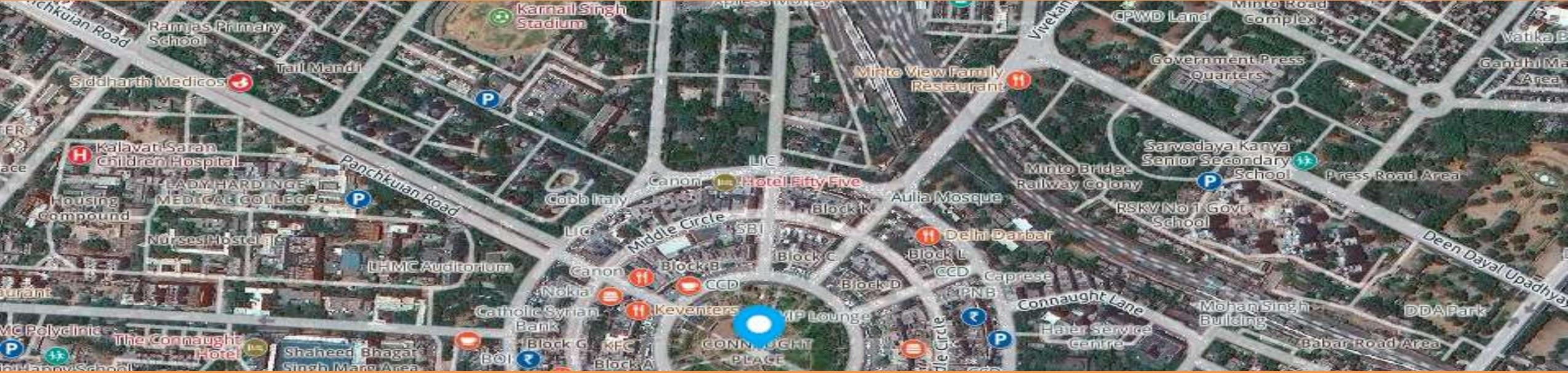


Real View Digital Twin





RealView Maps for Industry 4.0
MapmyIndia Indoor Mapping



MapmyIndia Map Engine

Aiding enterprises build Location Intelligent “IoT” Applications



ADAS Maps

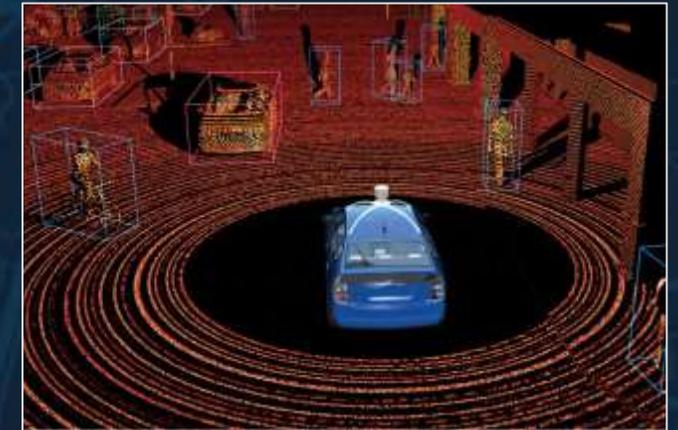
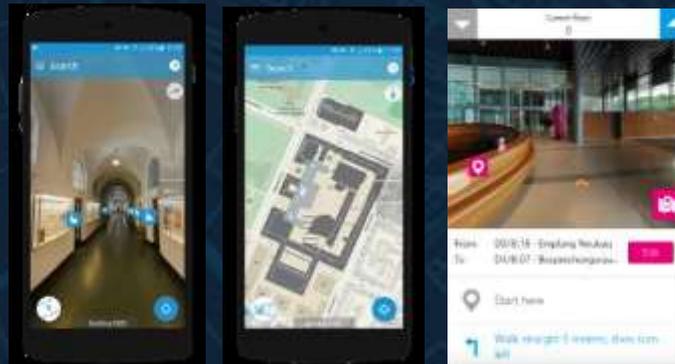
Map Data when applied dynamically can work as a sensors providing recognition and situation awareness to In vehicle system & Drivers.

Indoor Maps

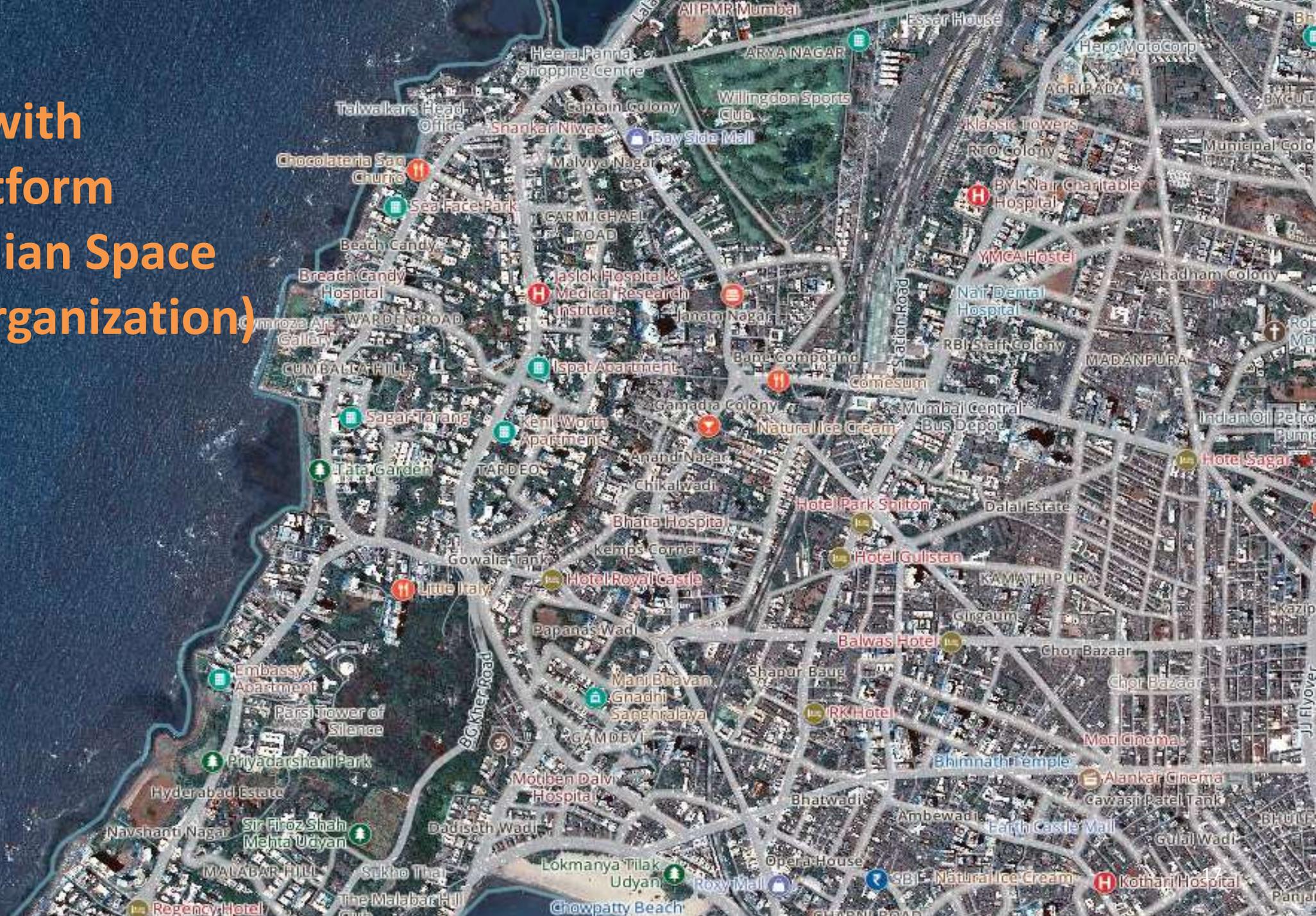
Indoor Navigation on Mobile with photo-realistic view

HD Maps

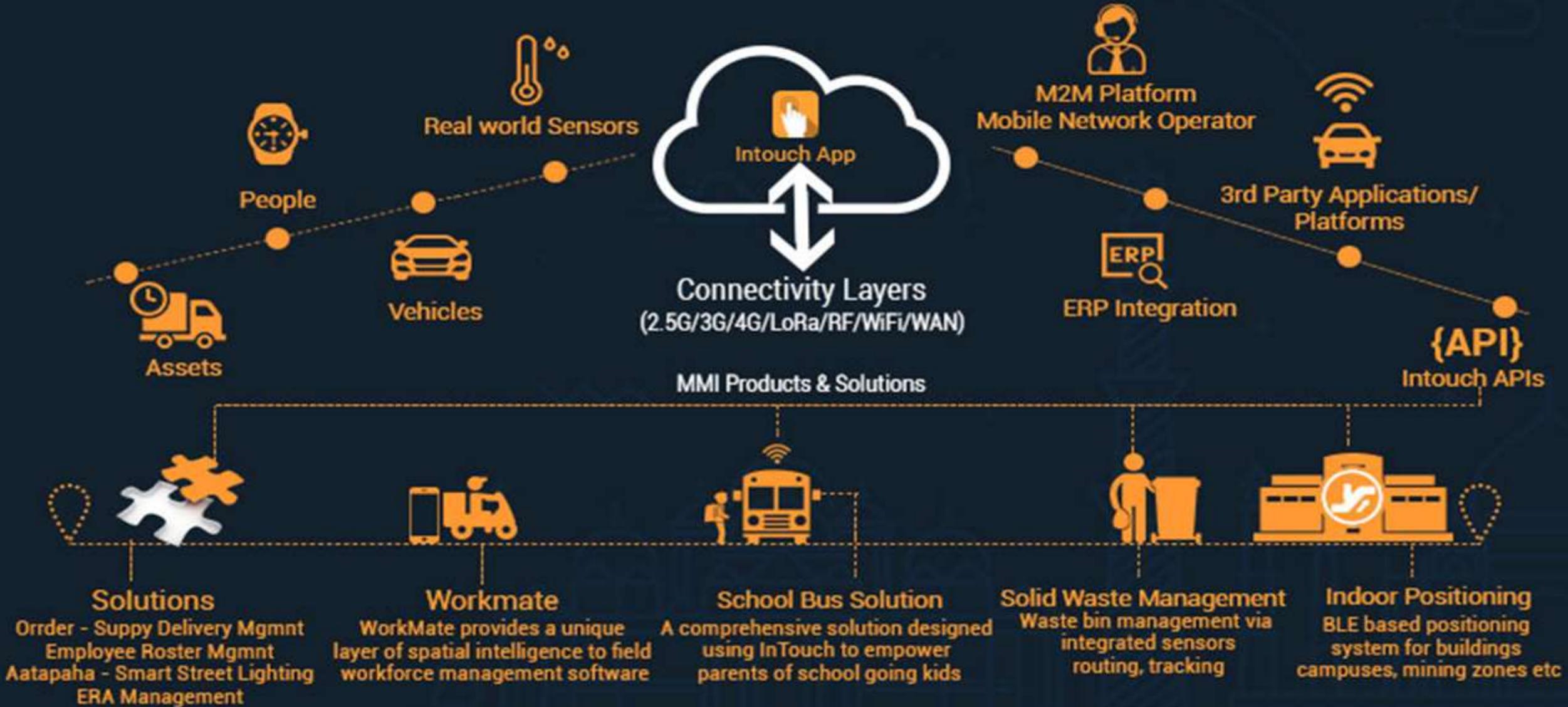
High Definition Maps , plays an integral part to support connected ADAS and autonomous driving use context.



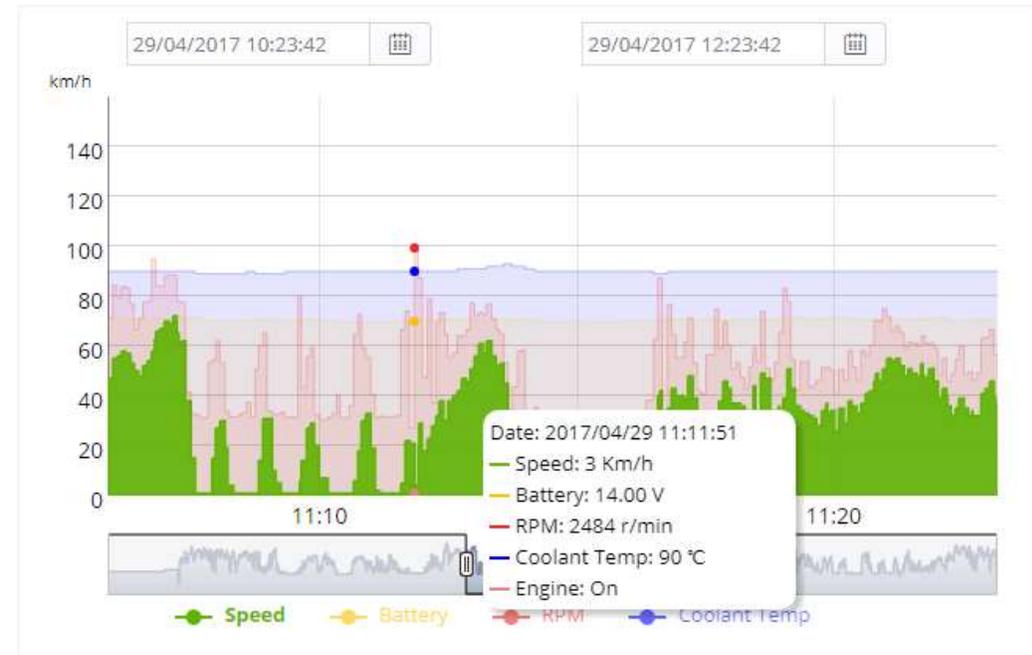
Integrated with Bhuvan Platform of ISRO (Indian Space Research Organization)



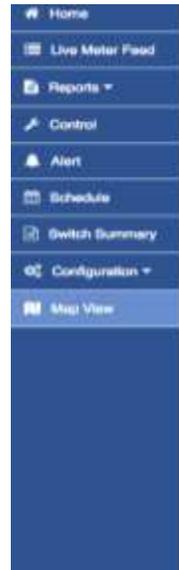
INTOUCH IoT ENGINE & APPLICATION LAYER



Intouch Fleet Management



Intouch Smart Street Light



Live Meter feed of Switch Points

City: Zone: Ward: [Show List](#)

Select Healthy /Faulty:

Show 10 entries

Search:

Name	Date Time	Location	R-Phase voltage (V)	R-Phase current (A)	Y-Phase voltage (V)	Y-Phase current (A)	B-Phase voltage (V)	B-Phase current (A)	R-Phase P Factor
CCMS 0001	5/31/2017 0:25:19	RAAVI CHETTI	240.93	6.969	242.54	1.483	237.67	1.771	0.96
CCMS 0002	5/31/2017 0:34:0	OPP. MARKET	246.63	12.175	0.0	0.0	244.47	4.665	0.98
CCMS 0004	5/31/2017 0:53:0	NEAR MASJID	245.63	4.21	245.44	6.112	245.85	3.63	0.94
CCMS 0005	5/31/2017 1:38:0	R.R. RICE MILL	233.79	2.751	0.0	0.0	233.19	7.484	0.99
CCMS 0008	5/30/2017 15:15:0	LAKSHMI TALKIES	226.95	0.0	0.0	0.0	226.81	0.0	1.0
CCMS 0008	5/31/2017 0:34:0	POLICE STATION	248.99	6.003	0.0	0.0	244.55	1.899	0.98
CCMS 0011	5/31/2017 0:24:0	R & B BANGLA	248.06	1.437	243.63	1.890	236.39	3.726	0.97
CCMS 0015	5/31/2017 0:34:0	G.B.M SCHOOL	243.04	3.173	248.75	1.118	244.86	1.89	0.97
CCMS 0016	5/31/2017 0:24:55	ANDHRA BANK	244.39	2.04	237.75	6.930	245.39	2.305	0.97
CCMS 0017	5/31/2017 0:38:0	THANGWALAKSHMI	231.8	2.431	242.23	2.805	239.19	3.559	0.97

Showing 1 to 10 of 33 entries

Previous [1](#) [2](#) [3](#) [4](#) Next

Intouch Solid Waste Management

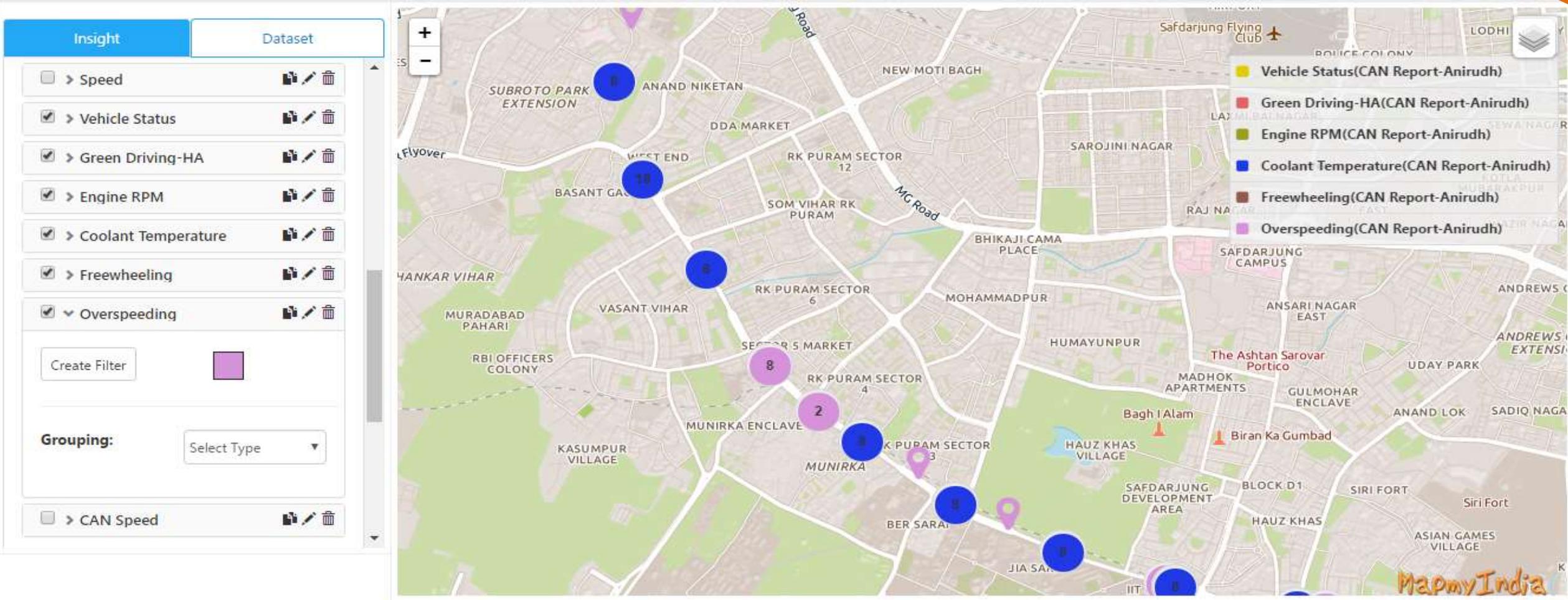
The diagram illustrates the hardware components of the waste management system. On the left, a waste collection truck is equipped with **RFID READERS** and **GPS VEHICLE TRACKERS**. On the right, a green waste bin is shown with an **ULTRASONIC BIN FILL LEVEL SENSOR** and an **ACTIVE RFID TAG**.

The screenshot shows the **Waste management** software interface. The top navigation bar includes **Support**, **Notification**, **admin**, and **Log Out**. The main menu on the left lists **Bin Management**, **Dashboard**, **Products**, **Setting**, **Vehicle Management**, **Track on map**, **Create Route**, **Start Location**, and **Dump Location**. The main content area displays an **OVERVIEW** section for **REAL TIME MONITORING AND ROUTE OPTIMIZATION**, with tabs for **Map View**, **Table View**, and **History**. The **Map View** shows a map with a red location pin and a **Bin Details** popup window containing the following information:

Bin Name:	Bin_936
Bin Location:	ORNS phase 3
Fill Level %:	86
Last Collection Time:	7/31/2017, 11:22:57 AM

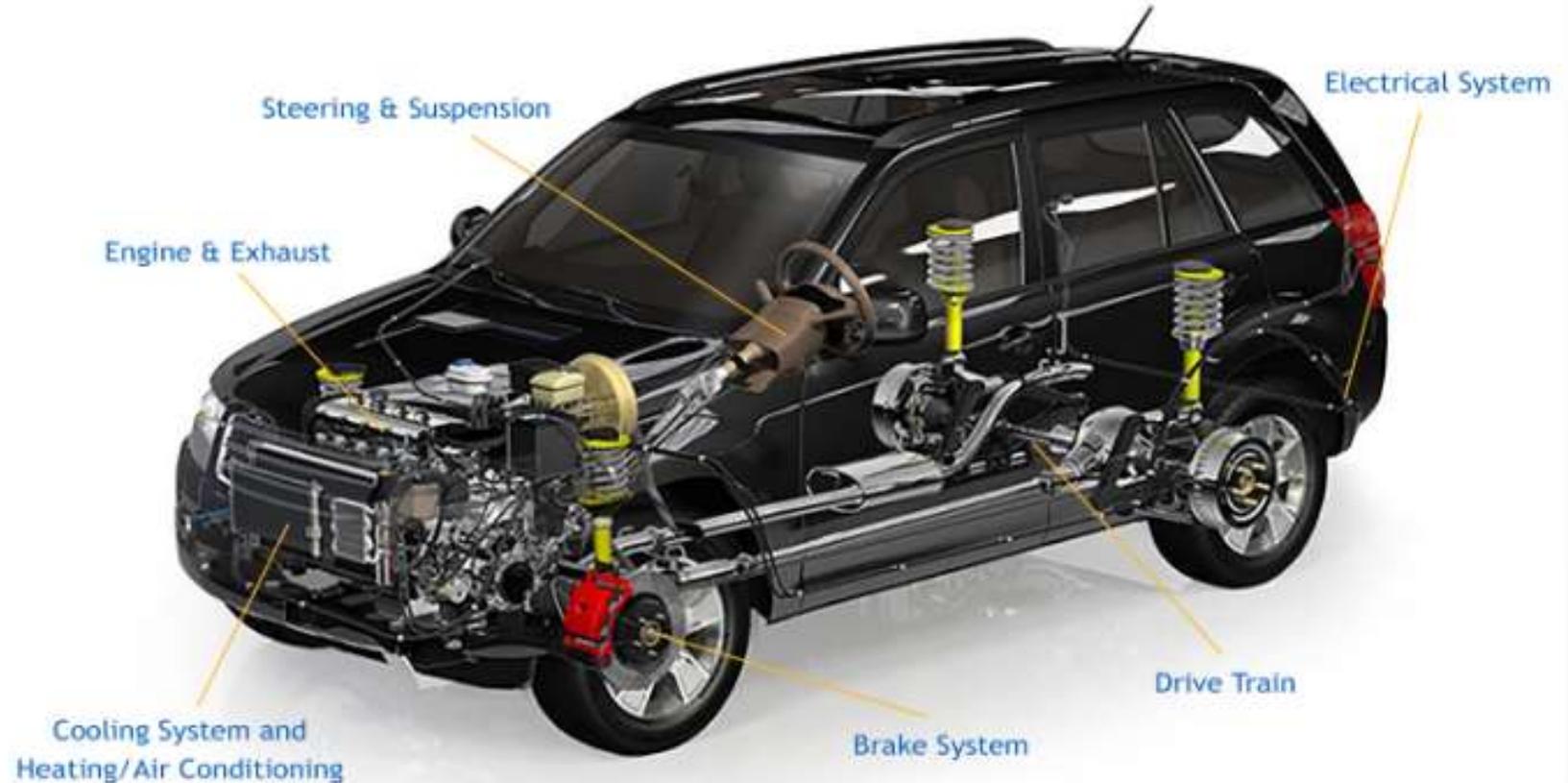
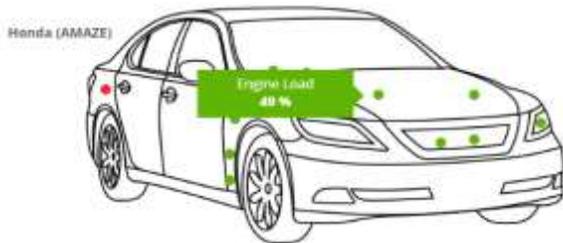
The interface also features a **MapyIndia** logo in the bottom right corner.

Using AI with “IoT” for Preventive Health Maintenance



Using AI with “IoT” for Preventive Health Maintenance

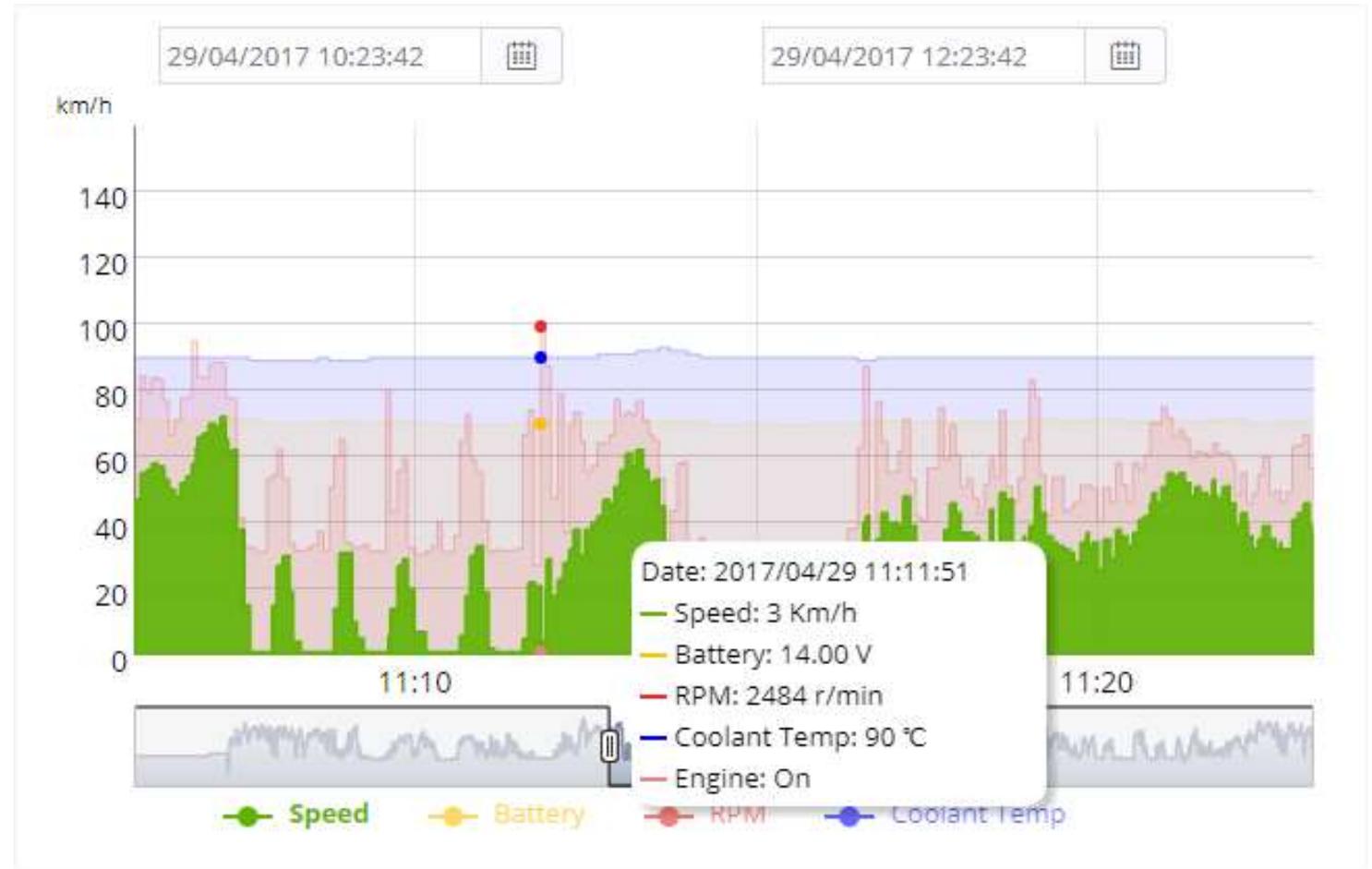
MapmyIndia Intouch platform provides diagnostic and maintenance, information so users can stay on top of their vehicle's health.

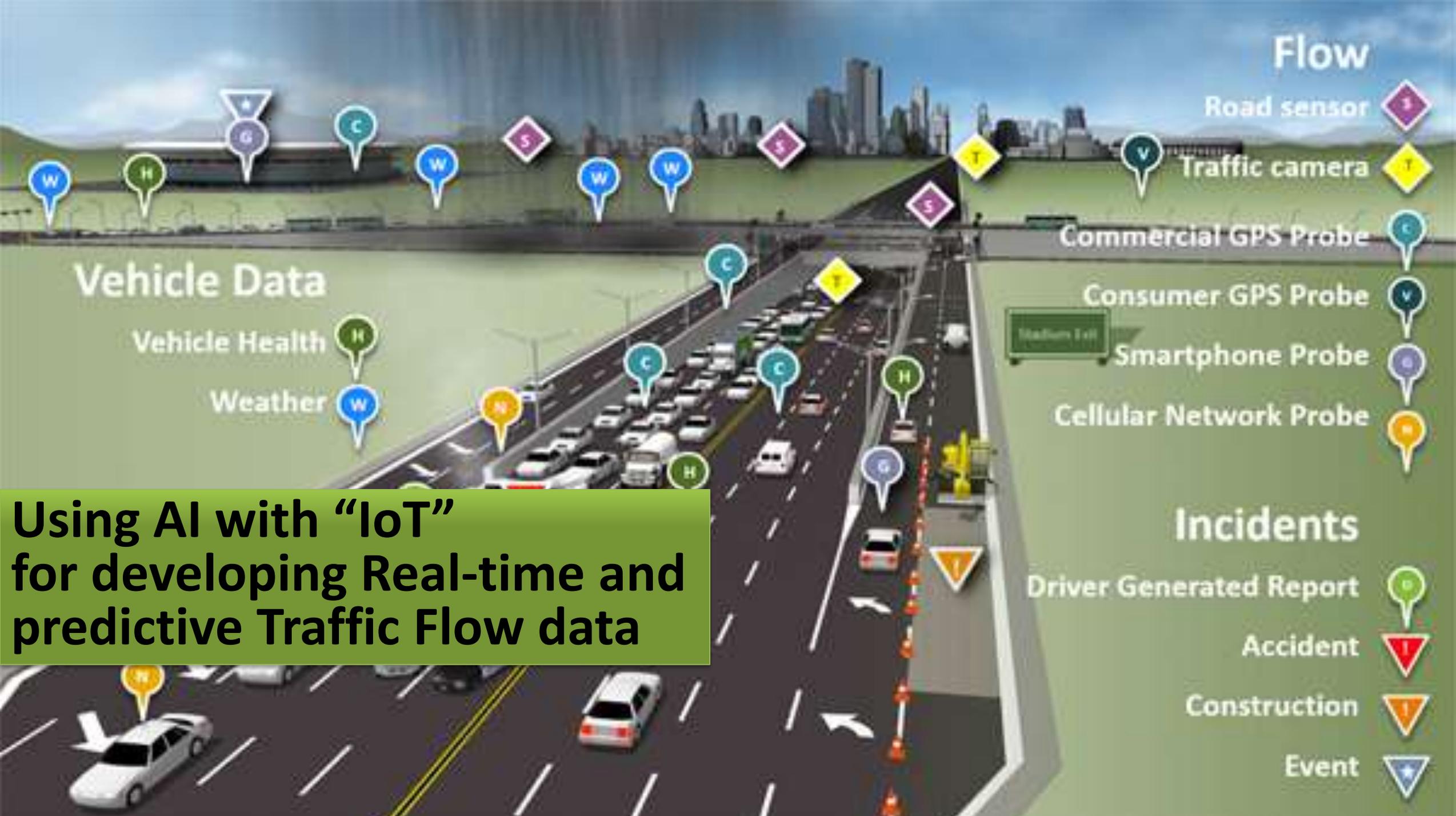


Using AI with “IoT” for Preventive Health Maintenance

Analyze different parameters (Speed, Battery, RPM, Coolant temperature) using a single graph.

All the parameters can be compared at easily compared simultaneously.





Flow

Road sensor



Traffic camera



Commercial GPS Probe



Consumer GPS Probe



Smartphone Probe



Cellular Network Probe



Incidents

Driver Generated Report



Accident



Construction



Event



Vehicle Data

Vehicle Health



Weather



Using AI with "IoT" for developing Real-time and predictive Traffic Flow data

MapmyIndia At a Glance



FOUNDED	EMPLOYEES	CONSUMER BASE	ENTERPRISE CLIENTS	CERTIFICATION
1992	1000+	5,000,000+	5000+	ISO 9001-2008

Head-Quartered in New Delhi
Corporate offices in Mumbai and Bengaluru
Presence in 90 cities across India

MapmyIndia's Mission

To make our world better through
Maps and Location technologies

MapmyIndia's Vision

To create the **most advanced, accurate & unparalleled map data for India**



MapmyIndia At a Glance

MapmyIndia

IP ownership for the largest and leading digital map and data product of India

Adherence to GOI norms as per **National map policy**

Products, Solutions and Services for **Enterprises India & Global**

Products, Solutions and Services for **Government Depts.**
Local, State & Central

De-facto licensing partners to leading players in Automotive sector

Internet of Things Solutions Provider

