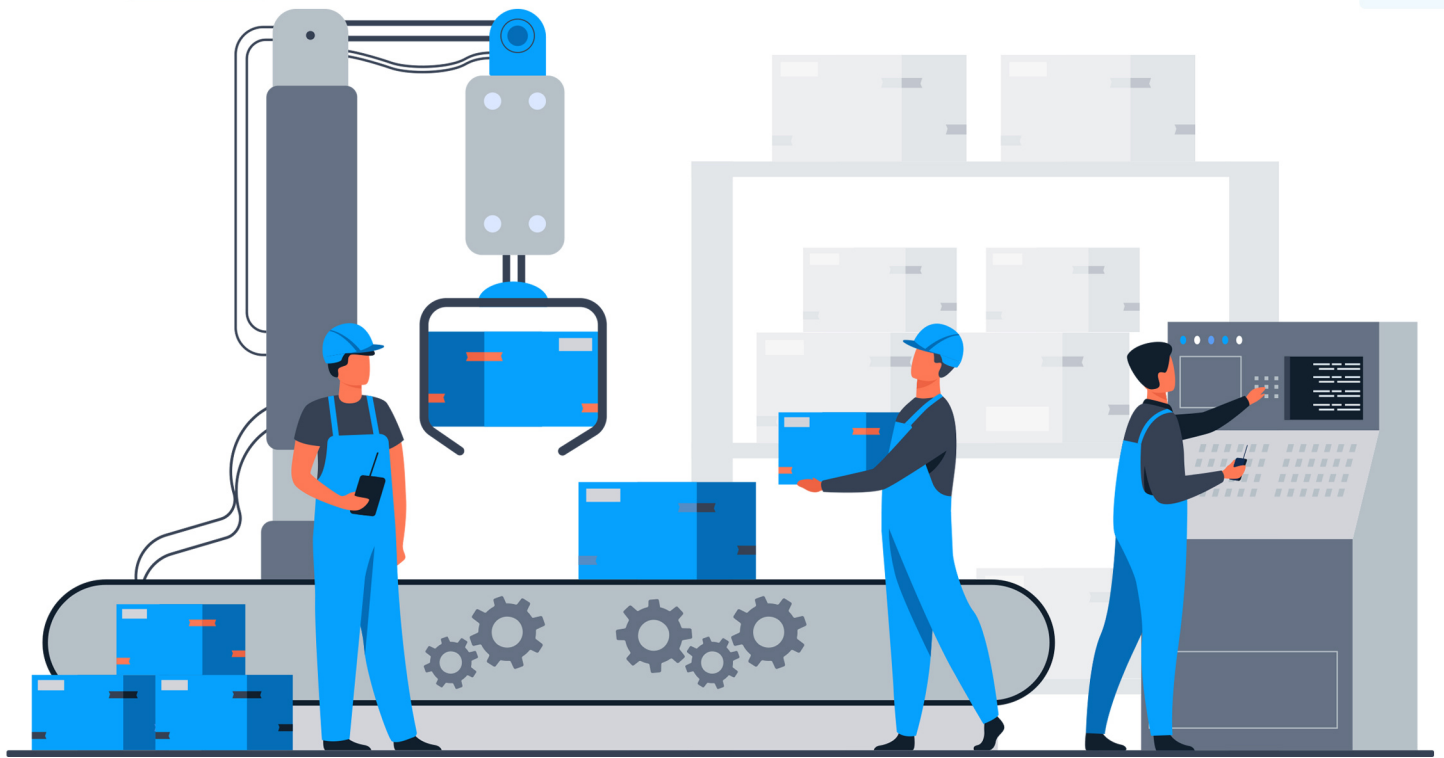
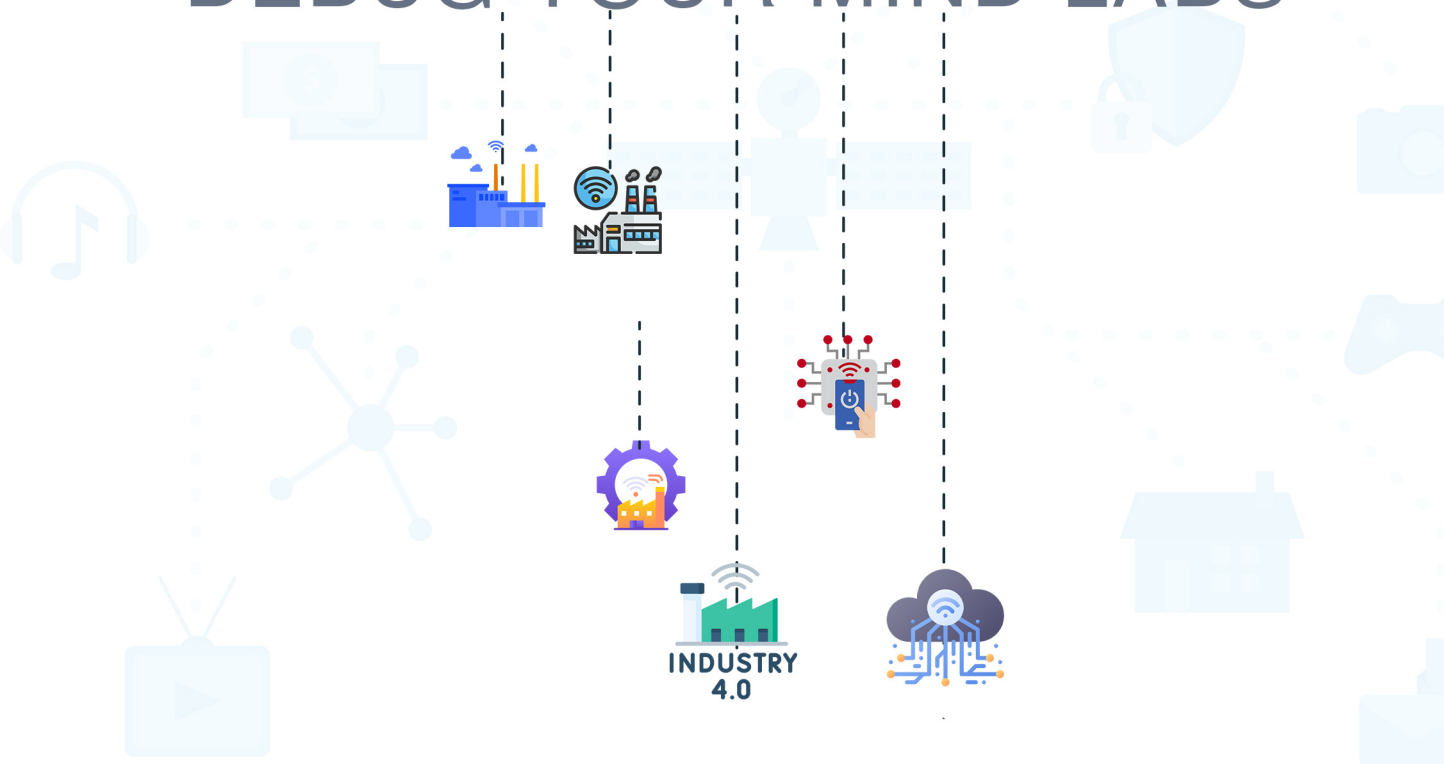


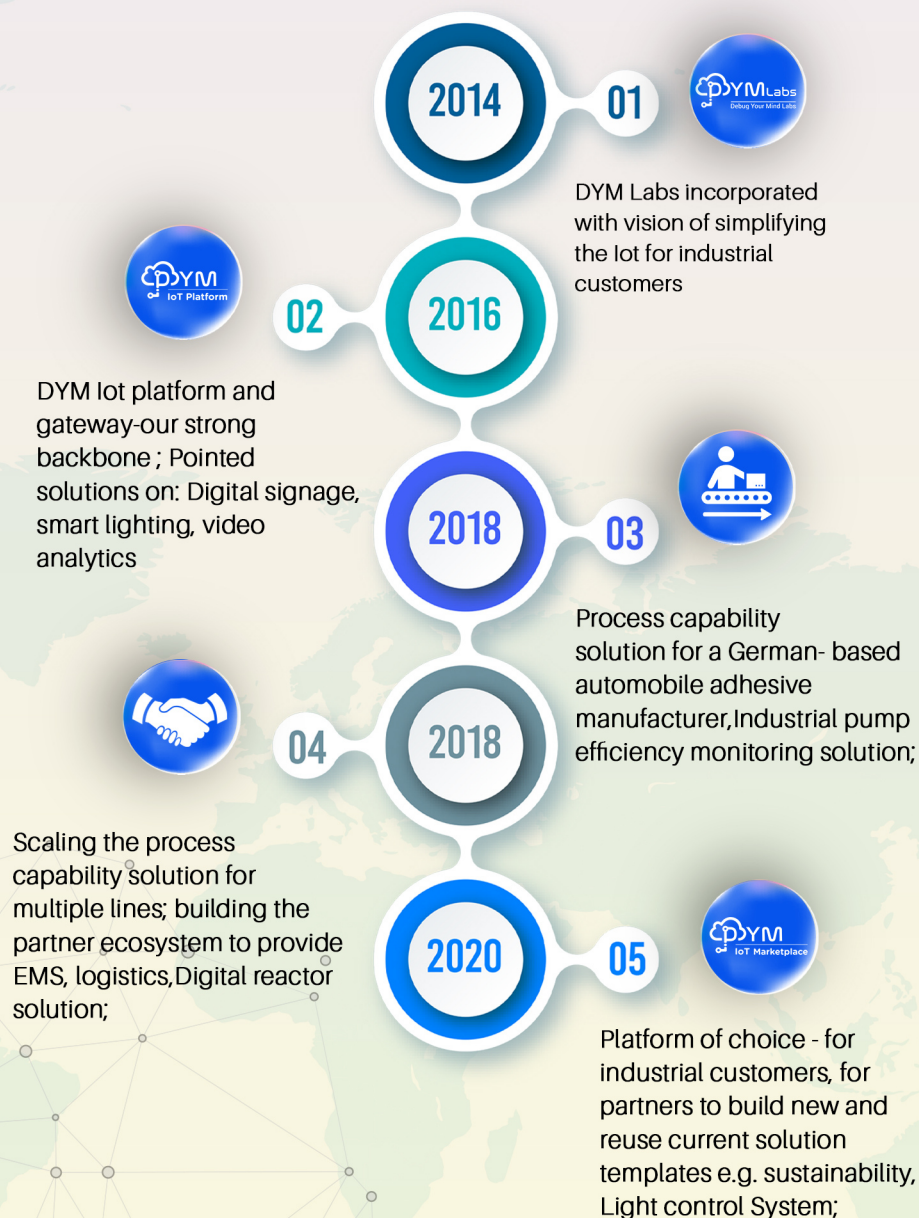
# DIESEL MONITORING SYSTEM

## DEBUG YOUR MIND LABS



# WELCOME TO DYM

- >> We look around and see the cutting-edge technology is making a positive impact in every sphere of our life- **Simply & Subtly**. However, on introspection of industrial digital transformation (sorry have to use the CLICHÉ!!) surrounding us across **SMBs, process and discrete manufacturing** the things are not so direct and simple.
- >> In 2014, we incorporated DYM to bridge the gap of easily available technology and simplification for an industrial scale transformation
- >> By no means it was a simple journey but with our partners, **"open to innovation"** customers, we bring together the solution with **"CLICK and PLAY"** ease to let you focus on running the business and leaving technical complexity to us.



# DYM OFFERINGS

---

## ● DYM IoT PLATFORM

- **Unified-Cost effective-Secure-Open standard** based IoT platform
- Easily configurable with industrial devices
- Business computation provisioning at each layer
- Enriched visualization and AI modelling



## ● DYM IoT MARKETPLACE

- **Pilot Fast and Scale Fast** for partners & customers
- No code digital platform with end-to-end IoT services
- "Build your own" IoT solutions OR use "Ready to use" library of solutions
- At an exceptionally lower price point



## ● "READY TO USE" IoT SOLUTIONS

- **Process capability**, OEE, Reactor monitoring
- **GHG emissions compliance**, EMS, BMS
- **Cold chain monitoring**, production planning, track and trace



# DYM UNIQUE SELLING PROPOSITION

## CREATE BUSINESS KPIS IN MINUTES WITH DYM



### OEM DEVICES

Use **DYM Plug-in** and connect your **device to cloud** (one time set-up)



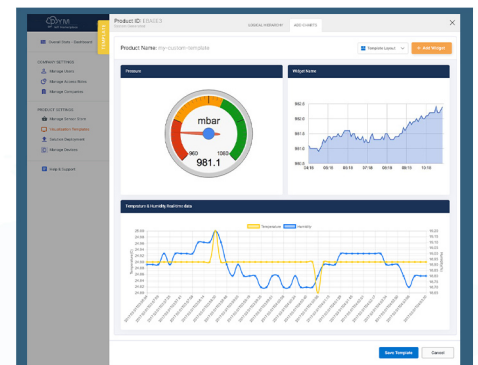
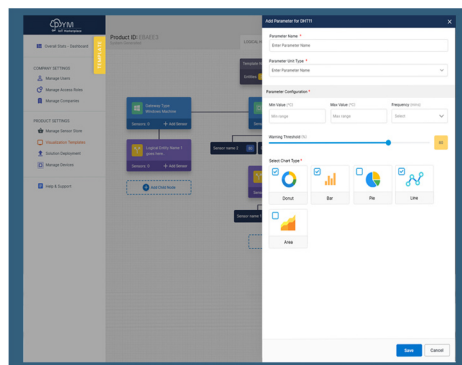
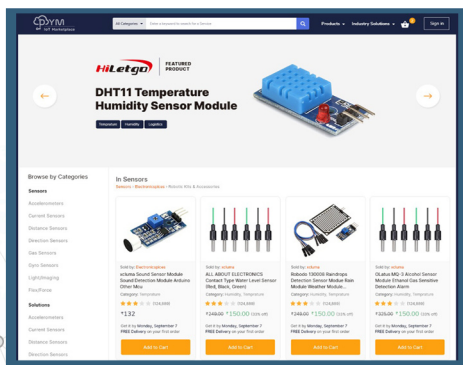
### CONNECT

Define pilot, connect device & **visualize the data in user-friendly format**



### BUSINESS KPIS

Define **customer solution**, drag-drop data sources, **monitor actionable Business KPIs**



WITHIN MINUTES

READY TO USE

[ Minutes - 1<sup>st</sup> WEEK ]

READY TO USE

BUILD YOUR OWN

[ 1<sup>st</sup> - 2<sup>nd</sup> WEEK ]

READY TO USE

[ 2<sup>nd</sup> - 4<sup>th</sup> WEEK; In Minutes for 10+ KPIs ]

# WHY DYM?



## IoT PLATFORM

Unified-Secured-Open  
Standard-**AI Powered**

## READY TO USE

**Metering, Energy  
monitoring, Manufacturing  
templates**



## COST-EFFECTIVE

Economic **plug-and-play,**  
**cloud agnostics** solution

## ECOSYSTEM

Deep **partner and technology**  
ecosystem, **100+ sensor/devices**  
**support**

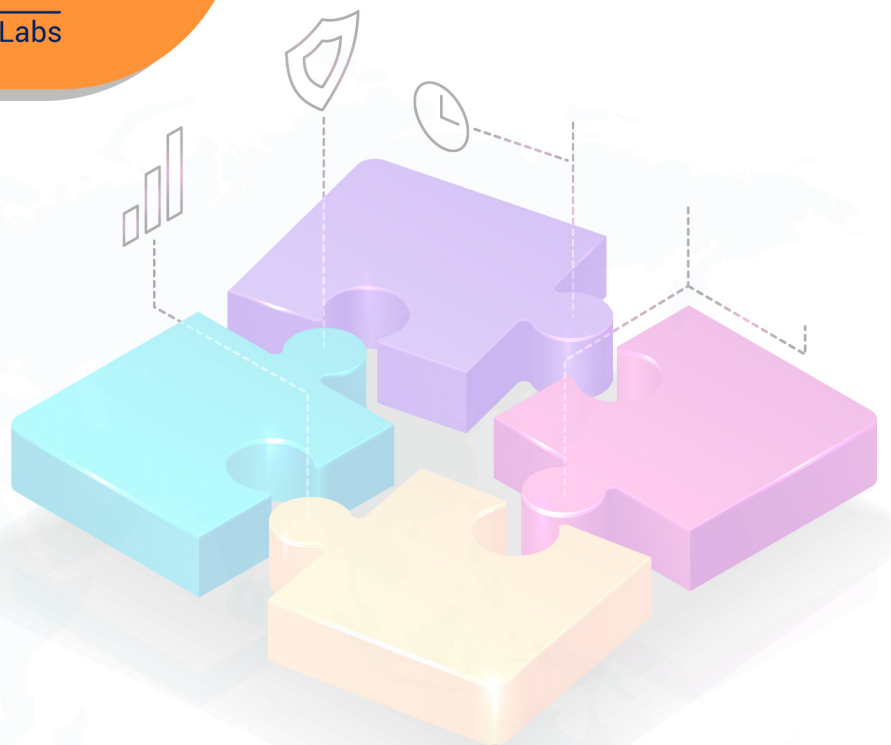


## END-TO-END SERVICE

**E2E IoT: h/w** (RS232, Profinet,  
GPIO, Modbus, etc.), **s/w,**  
**connectivity, cloud , analytics**



# DYM Diesel Monitoring Solution



# DYM RESPONDING TO YOUR CURRENT DIESEL MONITORING PROBLEMS

## RUNNING TIME

Not being able to calculate how long the diesel generator will **work on existing fuel and calculate power reserve of fuel** at a certain level of load which will lead to **inaccurate planning for refueling**.



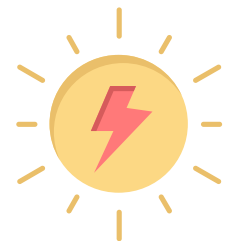
## HEALTH AND SAFETY

**Nitric oxide and carbon monoxide** are classed as blood poisons coupling to the body's hemoglobin and consequently starving it of oxygen. In large quantities, carbon dioxide and nitrogen can act as **asphyxiants**.



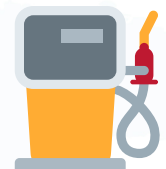
## POWER GENERATION REPORTS

When there are no power generation reports, the customer won't get useful data reports on the **consumption of fuel** that can provide a leading indicator to **determine the condition of the generator**.

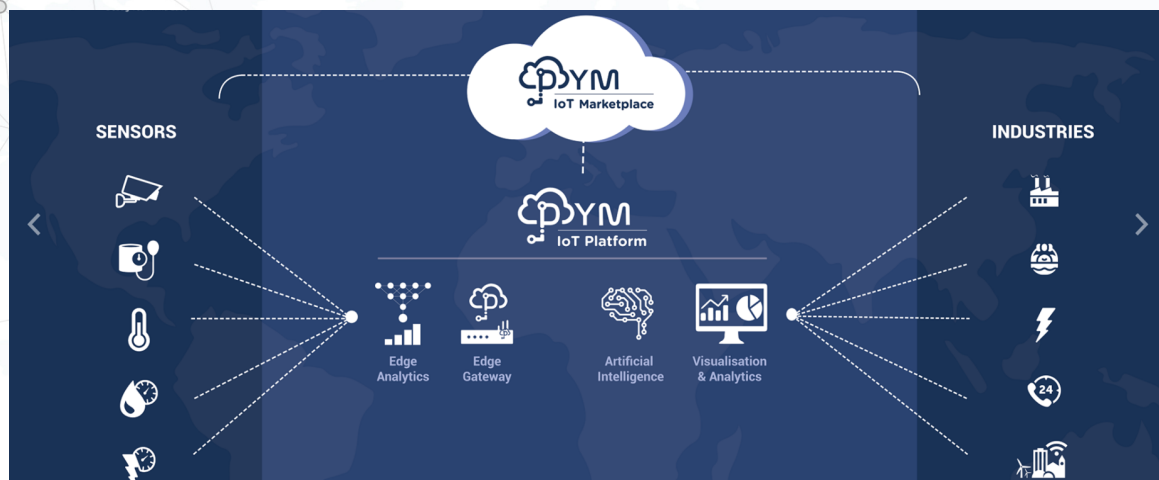


## FUEL THEFT

Industrial fuel tankers are vulnerable to fuel theft and sometimes used to **claim inflated bills** in the absence of comprehensive diesel monitoring solution



# DIESEL MONITORING SOLUTIONS



## DIESEL MONITORING FEATURES



**White labelled  
portal**



**90+ sensors in-built  
support**



**Secure access to  
multiple solutions**



**Flexible to mix & match  
devices**



**KPIs and dashboard  
configuration**



**No-code platform  
with end-to-end IoT  
services**



**Secure remote  
monitoring**



**Business rules  
integration**



**Notification & alerts  
Reporting module**



**Fuel level  
Monitoring**

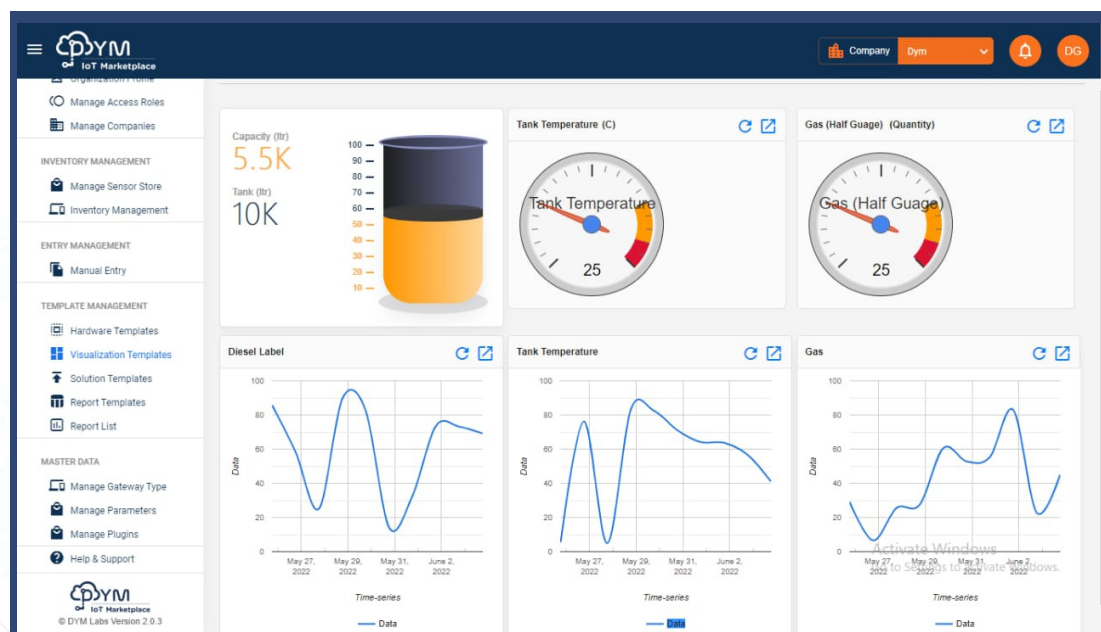
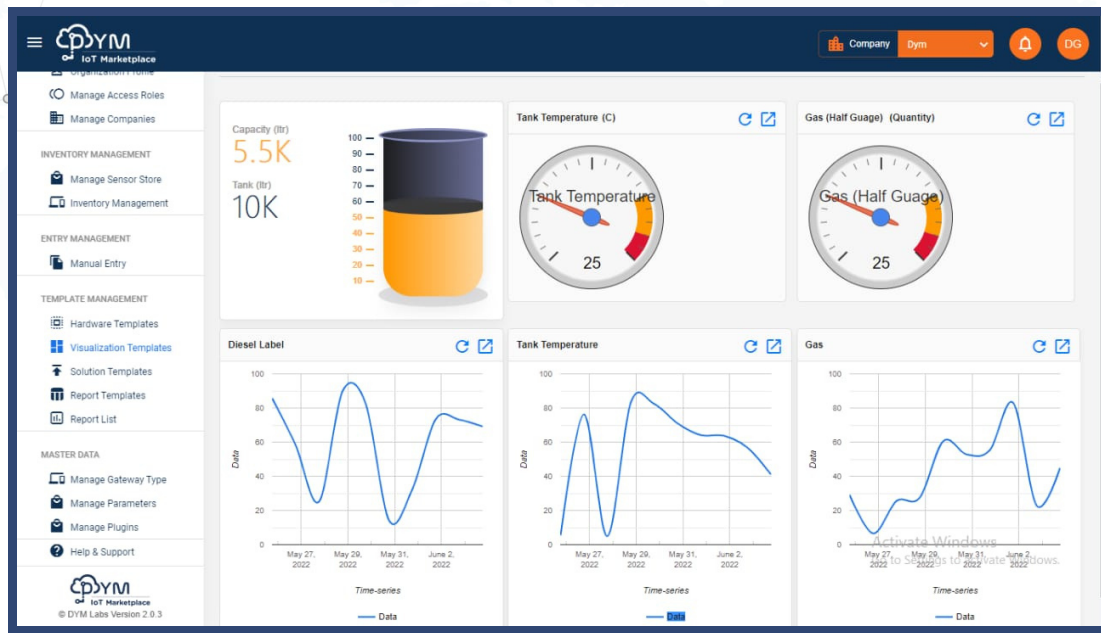


**Anti Theft  
Solution**



**A visuals display of  
all of our data**

# DYM(DIESEL MONITORING SOLUTION) SNAPSHOTS



# DYM DIESEL MONITORING SOLUTION BENEFITS

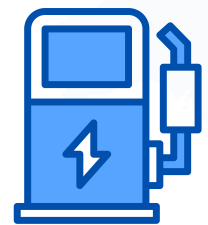
## REDUCE MAINTENANCE COST

Reduces the need for costly service calls and site visits to check the **generator's status, repairs, maintenance and refueling** can be planned that saves time and costs.



## PREVENT FUEL PILFERAGE

With our diesel monitoring solution, you will get daily reports on your fuel by having a detailed **analysis of fuel consumed, fuel filled, and fuel removed.**



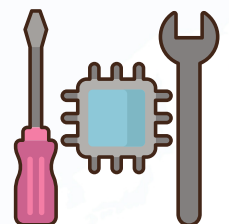
## HEALTH AND SAFETY

When monitoring carbon dioxide, carbon monoxide, nitric oxide and nitrogen dioxide, **real time gas monitoring instruments** provide an immediate indication of diesel fume levels.



## PREDICTIVE MAINTENANCE

With close monitoring of parameters along with usage, you get **maintenance alerts** by which timely servicing of diesel generator is now possible, which in turn keeps your DG healthy and ensures **optimal performance.**



# CUSTOMER SUCCESS STORY

**HENKEL**



It can capture real-time data on an asset's status and performance, process parameters, product quality, production costs, storage capacity and inventory (telemetry), worker safety, pairing products with services, etc.

## BUSINESS OBJECTIVE

The project's goal is to use digitalization in process automation and data analytics to:

- Increase overall plant productivity
- Increase transparency through online data visibility

## DYM SOLUTION

- B2B: Digital log book platform powered by IoT to enable digitization of process lines and monitor consumptions
- Operations: Digitally compute Cp Cpk for quality parameters monitoring and informed production planning

## BENEFITS AND KPIS

### Benefits

- Increased overall plant productivity
- Increased transparency through online data visibility
- Improved quality both in-process and finished goods

