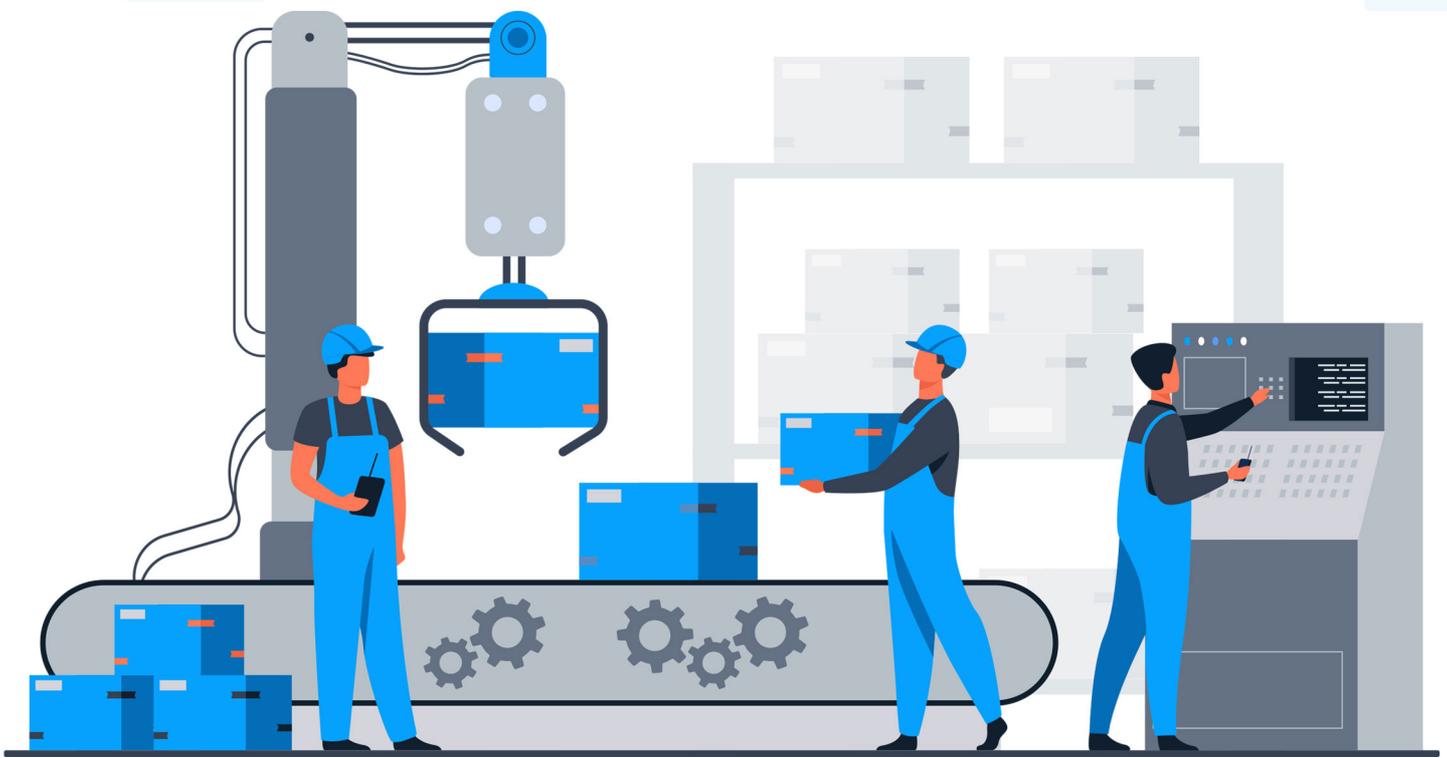


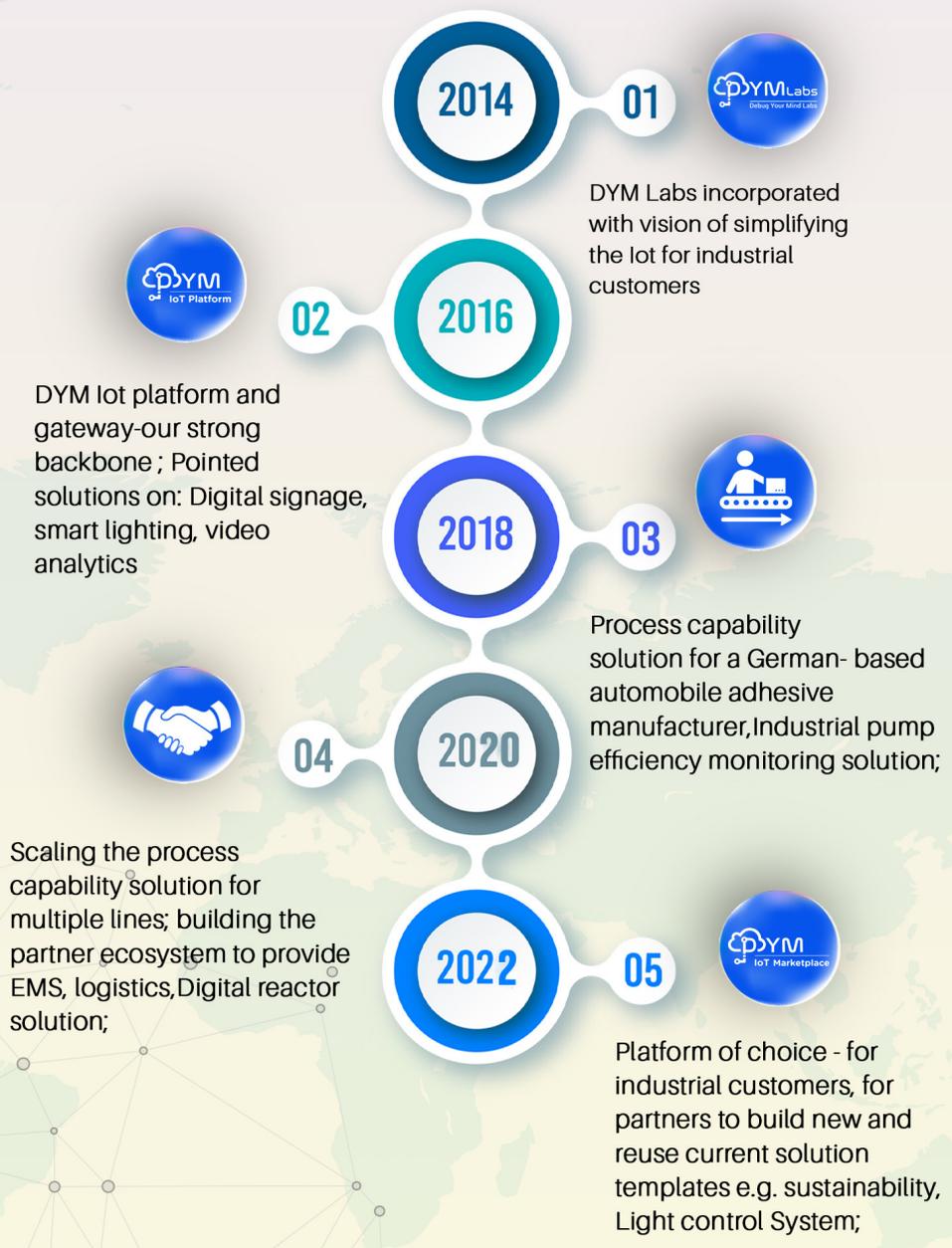
COLD STORAGE MONITORING SOLUTION

DYM 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.



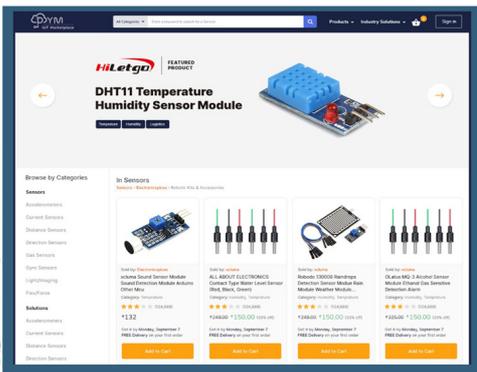
DYM UNIQUE SELLING PROPOSITION

CREATE BUSINESS KPIS IN MINUTES WITH DYM



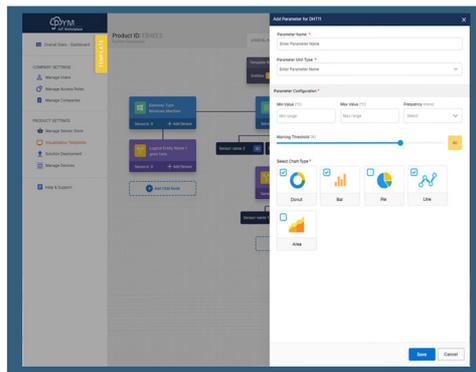
OEM DEVICES

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



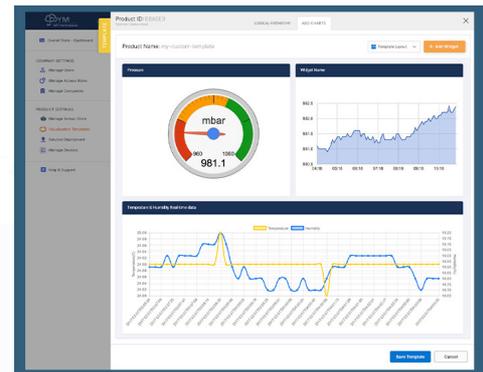
CONNECT

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



BUSINESS KPIS

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



READY TO USE

WITHIN MINUTES

WITHIN MINUTES

WITHIN MINUTES

BUILD YOUR OWN
WITHIN MINUTES FOR 10+ KPIS

MINUTES - 1ST WEEK

1ST - 2ND WEEK

2ND - 4TH WEEK

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**



COLD STORAGE MONITORING SOLUTION



RESPONDING TO YOUR CURRENT COLD STORAGE PROBLEMS

COOLER AND FREEZER DOORS STATUS

Cooler and freezer doors that are **damaged** are one of the most common problems cold storage facilities face. The initial impact of damaged freezer doors is that it **can't hold the specified temperature**. Since that's its main purpose, it's a big deal.



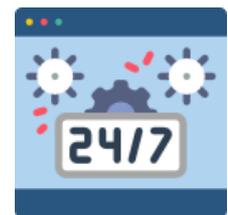
STRICTLY ADHERE TO INDUSTRY STANDARDS AND COMPLIANCE

There are certain regulatory compliances that manufacturers, wholesalers and retailers must maintain for which they **need to record the data periodically** and ensure that items have been **maintained under specified conditions**.



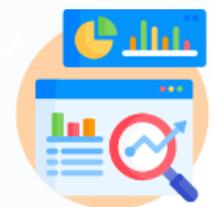
MAINTAINING REQUIREMENT OF VARIOUS PRODUCTS

Various products that are kept in different sections of one facility require unique temperatures to be maintained to **prevent decay** and extend its shelf-life. Along with constant monitoring, whenever a deviation is detected, adjustments must be made immediately as weather changes and **temperature fluctuations affect** the environment and can have **adverse effects on the stock**.



LAGK OF MONITORING REPORTS

Not having access to batch wise **reports on temperature, humidity, gas levels, door status** and many other KPIs can lead to **improper maintenance** of cold storage.



COLD STORAGE MONITORING SOLUTION FEATURES



Condition-based monitoring



Productivity and turnover rate



Inventory health monitoring



KPIs and dashboard configuration



Notification & alerts Reporting module



Business rules integration



Secure remote monitoring



Secure access to multiple solutions



Flexible to mix & match devices



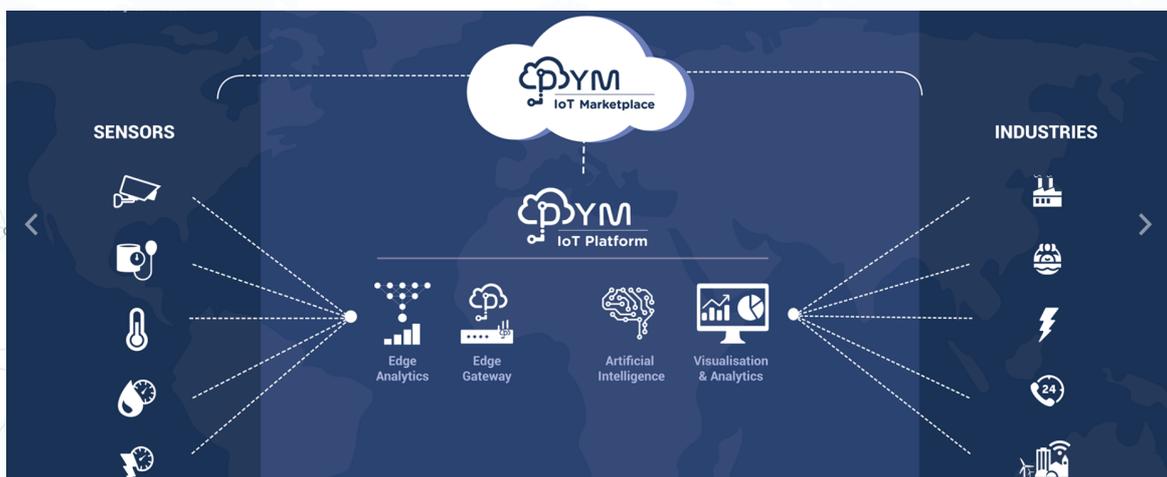
90+ sensors in-built support



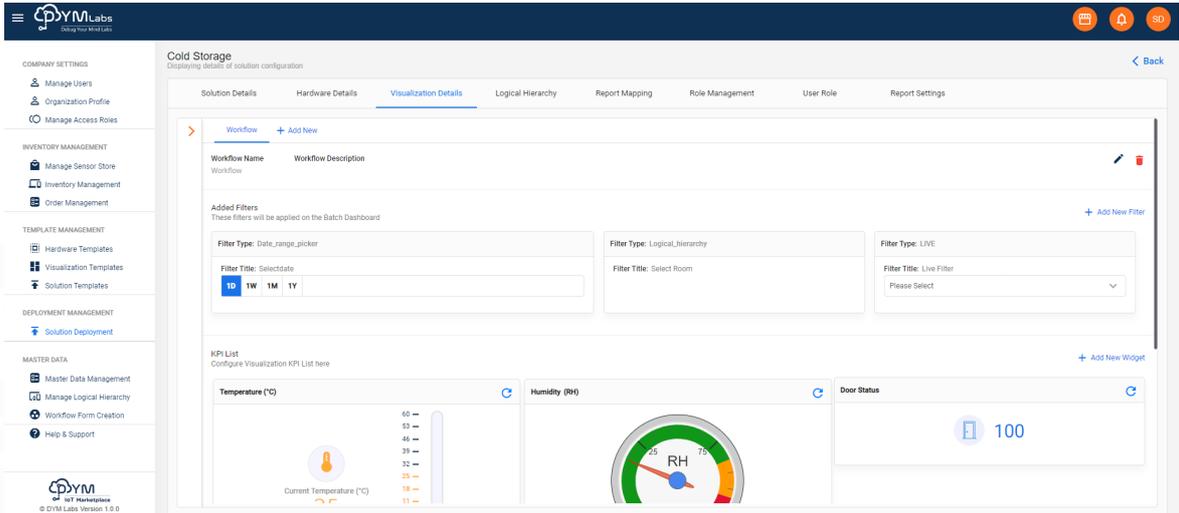
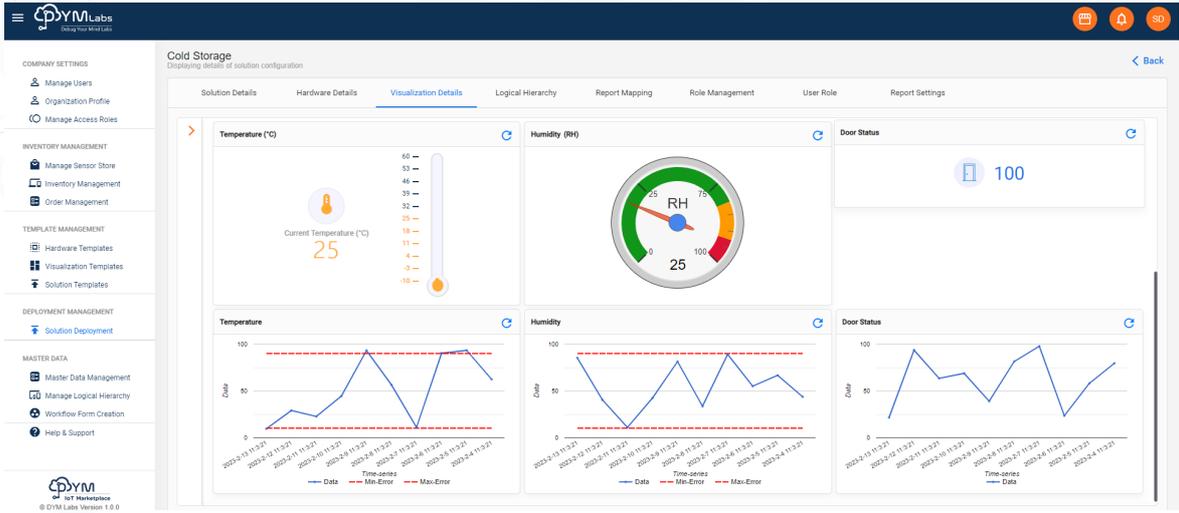
No-code platform with end-to-end IoT services



White labelled portal



COLD STORAGE MONITORING SOLUTION (SNAPSHOTS)



COLD STORAGE MONITORING SOLUTION BENEFITS

MAINTAIN IDEAL CONDITIONS

Get **precise temperatures** for refrigerators and cold rooms information, wherever you are, to ensure your settings are within acceptable limits. It **reduces redundant chores** like physically monitoring temperature and humidity, taking manual readings, etc.



BE AHEAD OF POSSIBLE EXCURSIONS

With **real-time monitoring** of multiple points, our Cold Storage Monitoring system will notify you whenever there is significant temperature, gas levels and humidity as well as power outages. This way, you can react promptly to **avoid the loss of assets or audit failure**.



AVOID HUMAN ERRORS

When IoT-based solutions come into play, there is **no need to check temps or environmental conditions of cold storage manually**. What is more, even goods freshness can be verified **without human assistance**.



EMPLOYEE & ASSET SAFETY

Our solution sends you alerts whenever it **detects a system failure**. It helps you to address risky scenarios in real-time and enables you to take immediate action to avoid a disaster. IoT-enabled systems maintain a detailed record of every activity to **improve the security of cold storage facilities**.



CUSTOMER SUCCESS STORY

BEST AGROLIFE

A leading agrochemical pesticide manufacturing company embarks on digital transformation journey. It targeted to achieve **Operational Excellence** through **manufacturing process automation and digitization of business processes**

BUSINESS OBJECTIVE

The project's goal is to use digitalization in reactor related process automation:

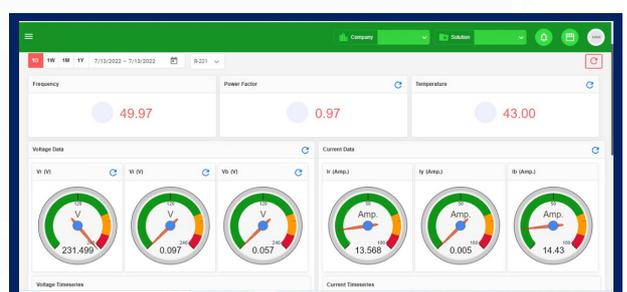
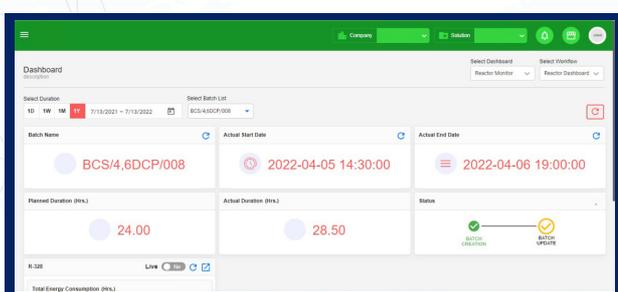
- Increase transparency through online data visibility.
- Increase yield and productivity.
- Improve quality of fertilizers and pesticides.

OUR SOLUTION

- **Stage-0:** Blueprinting and dipstick analysis
- **Stage-1:** Implementation of Energy Management System for chemical reactors
- **Stage-2:** Digitalization of the reactor process by retrofitting digital sensors, e.g. temperature, pressure, humidity, etc.
- **Stage-3:** Advanced data analytics, ML to optimize the monitoring parameters and scale up the solution

BENEFITS AND KPIS

Reactor-level monthly billing, optimize run-hours, and save energy
Track effluent output and environmental compliance w.r.t ejected gases
Preventive maintenance, Overall Equipment Efficiency (OEE)



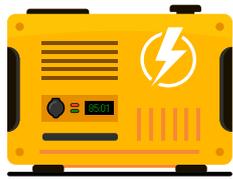
OTHER READY TO USE SOLUTIONS



Fire Pump Monitoring



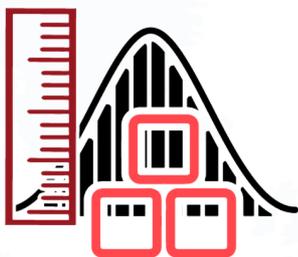
LPG Monitoring



Diesel Generator Monitoring



Smart Factory



Process Capability



Digital Log Book

And many more