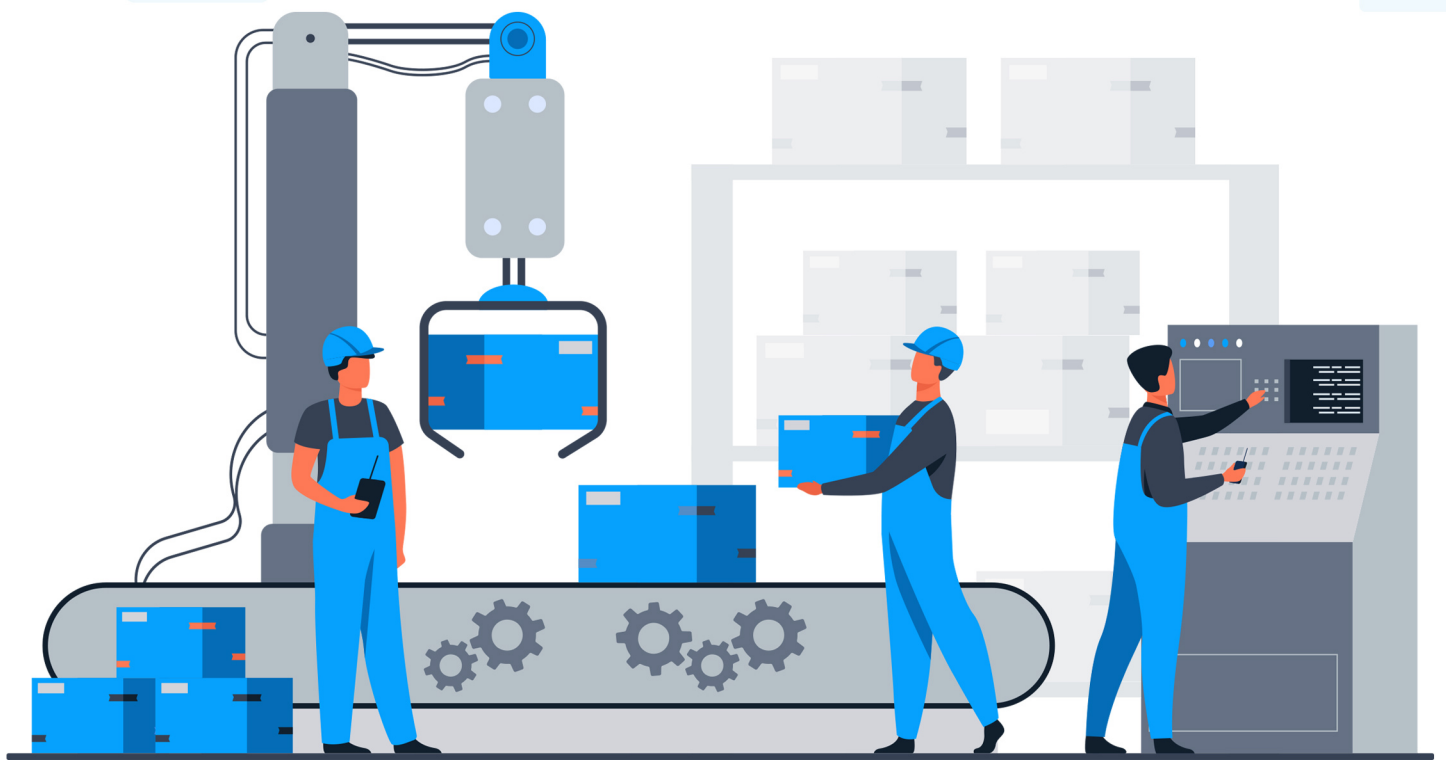


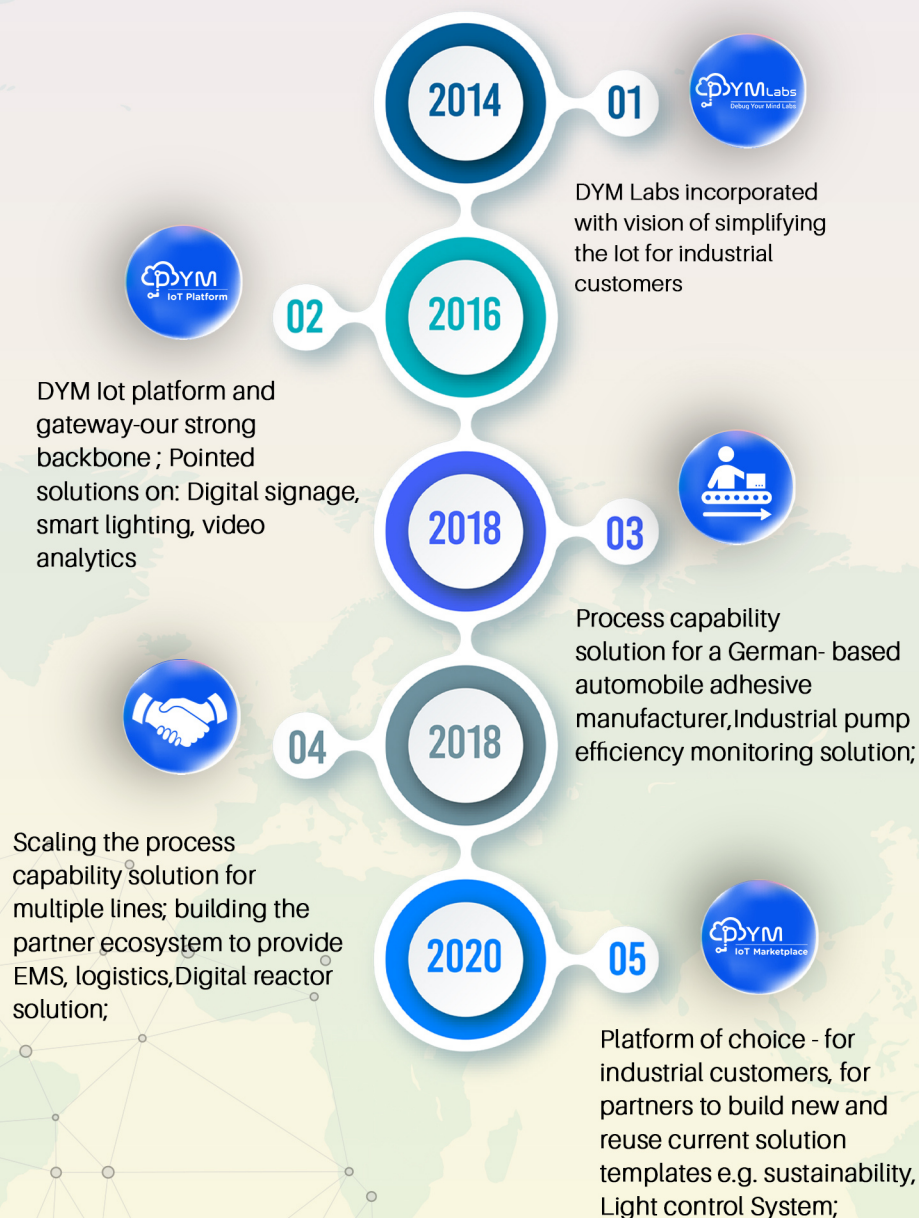
ENERGY MONITORING SYSTEM

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)



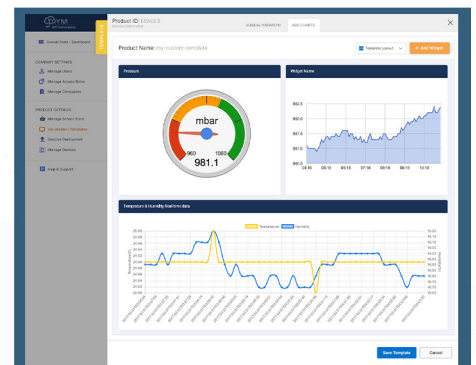
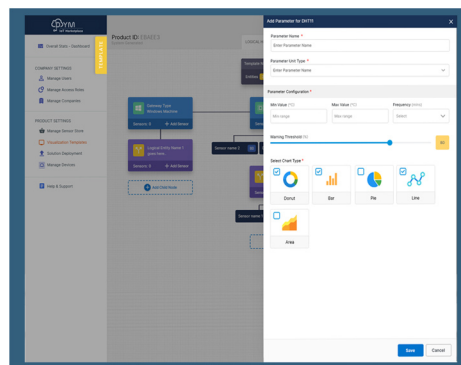
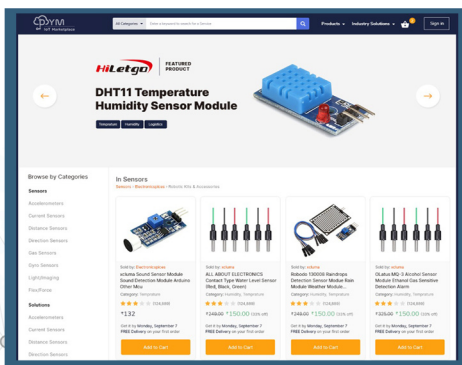
CONNECT

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



BUSINESS KPIS

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



READY TO USE

WITHIN MINUTES

WITHIN MINUTES

WITHIN MINUTES

BUILD YOUR OWN

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

DYM ENERGY MONITORING SOLUTION



DYM RESPONDING TO YOUR CURRENT ENERGY MONITORING PROBLEMS

POORLY MAINTAINED EQUIPMENT

Poor energy management leads to **high expenses, overloading machines** can cause breakdowns or under loading can **decrease productivity**.



ENERGY WASTAGE

Not knowing where, when and how the **energy is getting consumed or wasted**, and also what the reason is for it, whether it is **incorrect settings, faulty timers or poorly maintained equipment?**



RISK OF HUMAN ERROR

More often than not, industrial operations, devices e.g., reactor, pumps, machinery, etc. **operate in silo and data collection related to energy has to be conducted manually** which increases the risk of **human error** and is also tedious and unproductive.



IMPROPER DATA COLLECTION

Unavailability of granular data related to energy usage makes it difficult for energy managers to **discern energy consumption patterns** and results in **high GHG emissions, exorbitant utility bills**, etc.



ENERGY MONITORING SOLUTIONS



A visuls display of all of our data



Avoid unplanned downtime



Monitor consumption for all the energy parameters



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



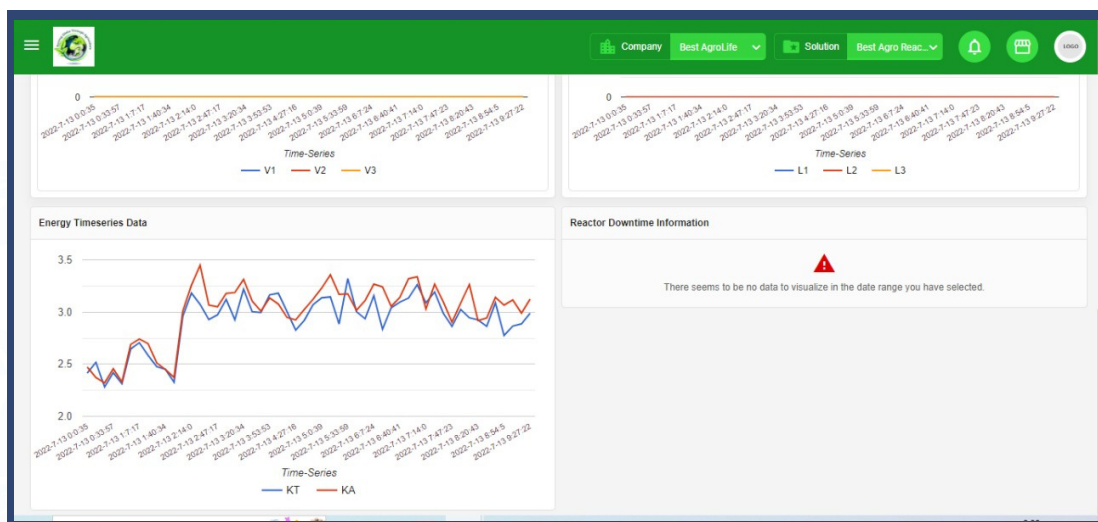
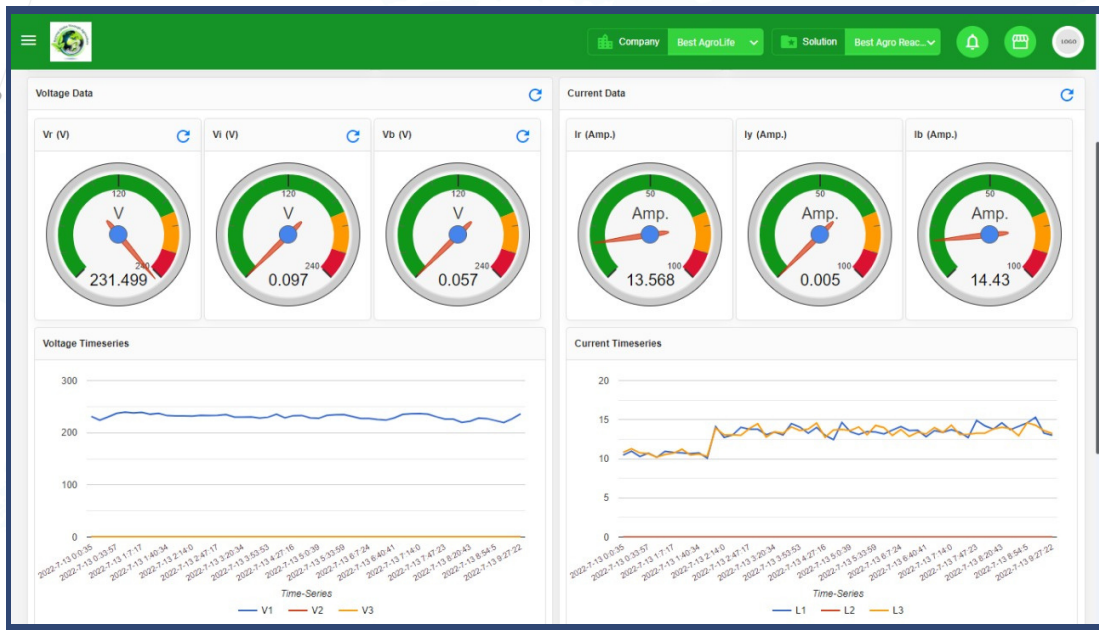
Business rules integration



Notification & alerts Reporting module



DYM(ENERGY MONITORING SOLUTIONS) SNAPSHOTS



DYM ENERGY MONITORING SOLUTION BENEFITS

REDUCE RUNNING COSTS

EMS's ability to **reduce electricity costs** by monitoring and optimizing energy used by industrial operations e.g. lighting, heating and cooling, ventilation, reactor etc.



PREDICT ENERGY USAGE

By **collecting energy data**, it allows administrators to **predict energy usage** and budget for the same more effectively. It has **built-in cost-saving functions** including offering **revenue-generating programs, emitting less power during peak times**, and **spotting any potential energy leaks**.



PREDICTIVE MAINTENANCE

Our EMS solution allows users to **monitor the issues in real time** so that the corrective measures can be taken immediately. For example, a short circuit possibility before it happens get notified to you via an alert.



REDUCES ENERGY CONSUMPTION

Your plant's carbon footprint is the entire amount of greenhouse gases produced and is directly related to the amount of energy it uses. Having DYM Lab's solution in place to **regularly monitor and manage** this can aid in **identifying energy system flaws** that can be fixed to **decrease your influence on the environment**.



CUSTOMER SUCCESS STORY

BEST AGROLIFE

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
- Improve quality both in-process and finished goods

DYM SOLUTION

- Operational excellence through process automation and digitization of business processes.
- Digital Supply Chain, which impacts on end-market demand patterns, as well as the value chains

BENEFITS AND KPIS

Benefits

- Predictive maintenance of reactor
- Real-time reactor monitoring
- Automated closed loop feedback
- Health & Safety

