



**YOUR PARTNER ON THE ROAD TO
SUSTAINABILITY
& PROFITABILITY**

WHO WE ARE?

We assist the Industries in Digitization and implementing Industry 4.0.

We have partnered with our various renowned clients to understand and solve their specific customized problems and Industrial Software have been provided related to:

- Traceability Integrating RFID, Barcodes, QR Codes, etc.
- Proefficient: Productivity Management System
- IIoT based CTP/CTQ Management System
- Digital Instructions
- Guided Assembly



OUR VISION

Be a Globally Acclaimed Solution Provider in Industrial Information and Green Technology by providing Best in Class Technical solution

OUR MISSION

To make Indian industries globally competitive and to provide our customers future proof, cost effective, most efficient technical solutions using open technology and Best in class support.

OUR USP

QUICK RESPONSE TIME

DIVERSIFIED
PORTFOLIO

ROBUST R&D
DEPARTMENT

GLOBALLY
ACCLAIMED
EMERGING
TECHNOLOGIES

CUSTOMISABLE AND
SCALABLE SOLUTIONS

CUSTOMER CENTRIC
SOLUTIONS

PROBLEM SOLVING
METHODOLOGIES

PIONEER IN
TRACEABILITY AND
INDUSTRY 4.0 INITIATIVES

OUR FOUNDER

- Founded in 2012 by **Mr. Manish Jain**, while working in the field of Marine Navigation with a British company.
- Core Area of Expertise is “Digitalization of manufacturing processes”.
- Successfully Digitalized all aspects of manufacturing processes:
 - ✓ Utility/Maintenance
 - ✓ Inward/Outward Quality Processes
 - ✓ Line Quality Control
 - ✓ Maintenance Management
 - ✓ Production Monitoring and Management
 - ✓ Supply Chain Management
 - ✓ Traceability of Production
- Customized IoT solution to Equipment manufacturer.



B.Tech (Hons.)
M.TECH (IIT-ROORKEE)
CEM DIGITALIZATION EXPERT
INDUSTRY 4.0, IIOT SPECIALIST



THE SOLUTIONS WE OFFER

PROEFFICIENT: PRODUCTIVITY MANAGEMENT SYSTEM

A technological solution known as a production monitoring system tracks, measures, and analyses data from production processes in real-time. It offers transparency into machine productivity, performance, and quality assurance, enabling proactive decision-making to optimise processes and raise overall effectiveness.

What it Offers?

REAL-TIME VISIBILITY:

A production monitoring system gives companies real-time insight into the production process, enabling them to follow and keep tabs on the progress of their production operations. This visibility enables prompt action to reduce downtime, assists in identifying problems in the manufacturing process, and facilitates proactive decision-making.

INCREASED PRODUCTIVITY AND EFFICIENCY:

By keeping an eye on manufacturing processes, organizations may spot places where efficiency can be raised. Production parameters including cycle times, machine utilization, and downtime may be tracked by the system, which can also offer insights to improve production procedures.

QUALITY CONTROL AND DEFECT DETECTION:

By gathering information on product quality and spotting flaws in real-time, a production monitoring system may incorporate quality control procedures. Businesses may decrease scrap, rework, and customer complaints by tracking key quality indicators and addressing quality concerns early in the production process.

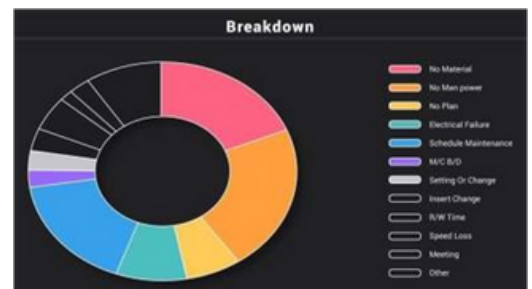
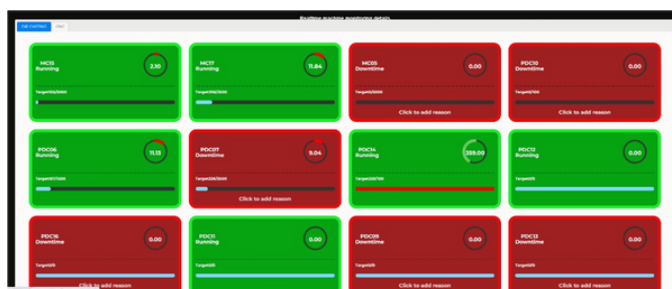
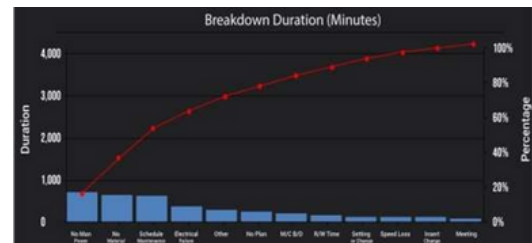
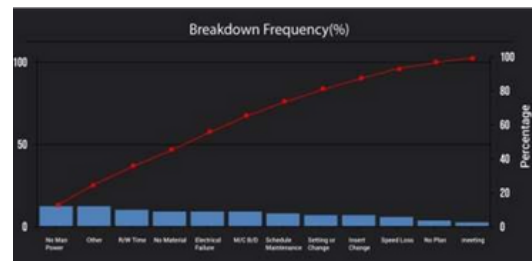
PREDICTIVE MAINTENANCE:

Production monitoring systems can employ predictive maintenance tactics by utilising machine data and analytics. Businesses may predict maintenance needs and plan proactive maintenance operations by tracking equipment performance and examining patterns and anomalies.

DATA-DRIVEN DECISION MAKING:

Companies may gather and examine significant amounts of data on production processes using a production monitoring system. To acquire insights, spot patterns, and make data-driven decisions, use this data.

Time	PP01	PP02	PP03	PP04	PP11	PP19
2022-03-22 21:00:00	38.00	0	60.00	66.00	33.00	0
2022-03-22 20:00:00	91.00	0	0	254.00	213.00	180.00
2022-03-22 19:00:00	141.00	0	165.00	305.00	157.00	40.00
2022-03-22 18:00:00	27.00	0	342.00	345.00	136.00	72.00
2022-03-22 17:00:00	49.00	0	174.00	111.00	106.00	14.00
2022-03-22 16:00:00	210.00	0	205.00	2.00	159.00	2.00



NOTE: THE IMAGES ARE INDICATIVE ONLY AND IT MAY NOT BE EXACTLY SIMILAR IN THE SOLUTION DEPLOYED.

Reason	Duration (Mins)	Frequency
Electrical Failure	177	5
Insert Change	68	4
M/C B/D	56	3
Meeting	53	1
No Man Power	452	7
No Material	388	5
No Plan	135	2
Other	194	7
R/W Time	108	5
Schedule Maintenance	352	5
Setting or Change	59	3
Speed Loss	35	3

1500+ machines Connected with PMS

30+ PMS Installations

50+ IIOT-based CTP/CTQ Monitoring System Installations

We are serving all types of Industries with different types and categories of Machines like

Machine Shop, i.e., VMC, CNC

Stamping Units, i.e., Hydraulic Presses, Pneumatic Presses

Die Casting Machines, i.e., HPDC, LPDC, Vertical Casting Machines

Molding, i.e., Plastic Injection Molding, Blow Molding, Rubber Injection Molding, Rubber Compression Molding

Extrusion Lines, i.e., Plastic, Rubber

Shearing, Traubs, Steel Tube Mills, SPMs, Manual or Second Generation Machines

Machines with or without Controllers/PLCs

We have been automating the Data Collection process and enabling the Process of Automated Real-time Production and Productivity Monitoring.

NOTE: THE IMAGES ARE INDICATIVE ONLY AND IT MAY NOT BE EXACTLY SIMILAR IN THE SOLUTION DEPLOYED.

	VERSIONS				
Features	Beginner	Basic	Amateur	Professional	Expert
Real-Time Live Status	Y	Y	Y	Y	Y
Real-time Production Count	Y	Y	Y	Y	Y
Downtime Recording	Y	Y	Y	Y	Y
Cycle time based Performance Tracker	N	N	Y	Y	Y
Actual Vs Target Tracker	N	N	Y	Y	Y
Production Count in Hourly Tabular and Histogram Visualization	Y	Y	Y	Y	Y
Shift-wise and Day-wise Distribution	Y	Y	Y	Y	Y
Daily Production Count Mail	N	Y	Y	Y	Y
Per Minute Production Tracking	N	Y	Y	Y	Y
Detailed UI for Live Status, Performance, Actual Vs Target, Product, Operator Details	N	N	N	Y	Y
Production Scheduling	N	Y	Y	Y	Y
Die-Cavity Mapping	N	N	Y	Y	Y
Product-Die Mapping	N	N	Y	Y	Y
Mold-Cavity Mapping	N	N	Y	Y	Y
Product-Mold Mapping	N	N	Y	Y	Y
Downtime Reasons Entry	N	Y	Y	Y	Y
Downtime Pareto	N	Y	Y	Y	Y
Downtime Doughnut	N	Y	Y	Y	Y
Rejections Pareto	N	Y	Y	Y	Y

VERSIONS					
Features	Beginner	Basic	Amateur	Professional	Expert
OEE Report	N	Y	Y	Y	Y
Downtime Report	N	Y	Y	Y	Y
Daily Productivity Report	N	Y	Y	Y	Y
MTTR-MTBF	N	N	Y	Y	Y
Die Life Cycle Report	N	N	Y	Y	Y
Mold Life Cycle Report	N	N	Y	Y	Y
4M Change Management	N	N	N	Y	Y
Digitized Work Sheets	N	N	N	Y	Y
Integration with ERP	N	N	N	N	Y
Downtimes Escalation	N	N	N	N	Y
Depleting Performance Escalation	N	N	N	N	Y

IIOT BASED CTP/CTQ MANAGEMENT SYSTEM

An energy management system is a technology that aids in the monitoring, regulation, and optimization of an organization's energy consumption. It allows organizations to adopt energy-saving initiatives, cut costs, comply with laws, and meet sustainability goals by gathering and analyzing energy data, pinpointing areas for improvement, and identifying opportunities for improvement.

What it Offers?

COST SAVINGS:

Reducing costs is one of the main advantages of an energy management system. Companies can spot inefficiencies and put measures in place to cut energy waste by tracking and analysing their energy use trends. As a result, energy prices and total operating costs decline. An EMS may also give companies information about times of high demand, allowing them to modify their energy use.

ENVIRONMENTAL SUSTAINABILITY:

An Energy Management System aids businesses in achieving their sustainability objectives in light of escalating environmental concerns. Businesses may minimise their impact on the environment and lower their carbon footprint by tracking energy use and identifying areas for improvement.

OPERATIONAL EFFICIENCY:

By offering insights into energy consumption trends and highlighting energy-intensive locations, an EMS aids in enhancing operational efficiency. Businesses may decrease energy waste and boost operational effectiveness by optimizing equipment performance and scheduling energy-intensive tasks during off-peak times.

REGULATORY COMPLIANCE:

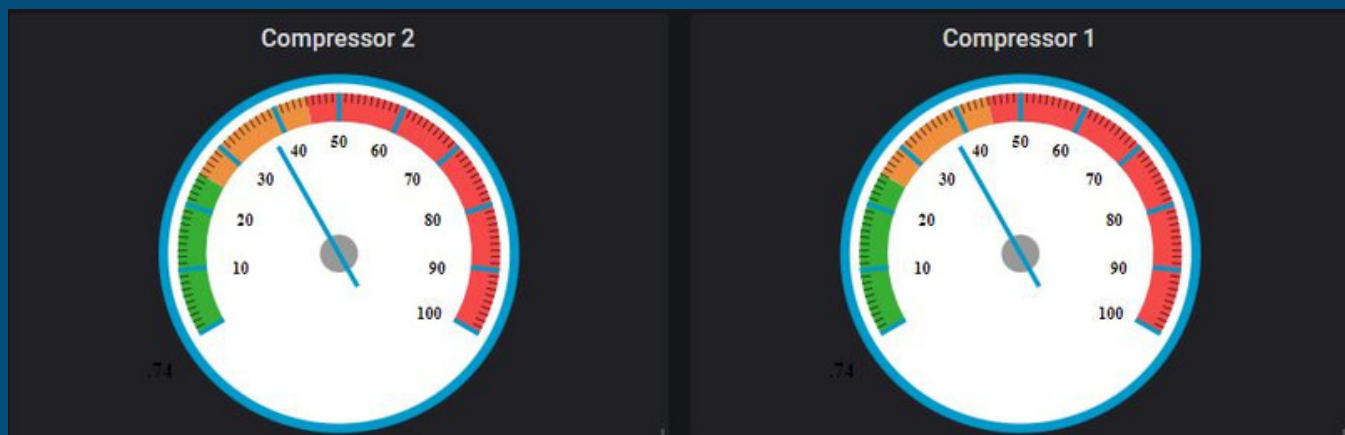
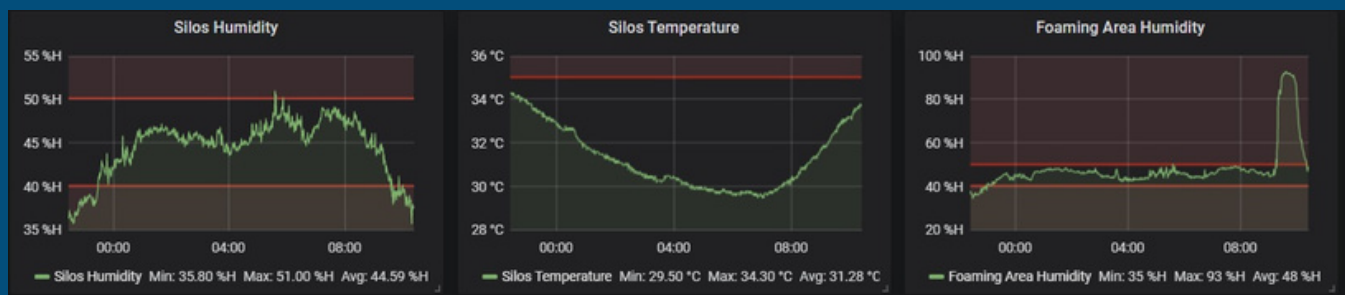
Companies must abide by several norms and regulations in the energy sector. Businesses may show compliance with regulatory standards by using an energy management system to monitor and collect data on energy use.

REGULATORY COMPLIANCE:

Companies must abide by several norms and regulations in the energy sector. Businesses may show compliance with regulatory standards by using an energy management system to monitor and collect data on energy use.

PERFORMANCE MONITORING AND BENCHMARKING:

With the aid of an EMS, businesses can keep tabs on their energy performance over time. Businesses may compare their energy efficiency to industry standards and best practices by establishing energy performance indicators and benchmarks. This enables efforts at ongoing improvement areas where further energy-saving measures can be implemented.



Daily Energy Consumption (in KWH)				
Time	Generator 1	Generator 2	Gas Generator	DisCom
2023-04-20	134.40	11.20	51.15	360.30
2023-04-19	962.40	80.20	366.27	2580.03
2023-04-18	996.00	83.00	379.06	2670.11
2023-04-17	963.60	80.30	366.73	2583.25
2023-04-16	558.00	46.50	212.37	1495.90
2023-04-15	744.00	62.00	283.15	1994.54
2023-04-14	966.00	80.50	367.64	2589.68

DIGITAL WORK INSTRUCTIONS

Digital work instructions are E-manuals that walk employees through various duties step-by-step. These instructions include interactive elements, visual assistance, and real-time updates to replace conventional paper-based instructions. The efficacy of training is increased by digital work instructions, which also enable data gathering and analysis for process improvement.

What it Offers?

STANDARDIZATION AND CONSISTENCY:

Organizations may create standardized processes and guarantee consistency in job execution by using digital work instructions. Organizations can avoid variances in work processes and lower mistakes or inconsistencies by giving precise, step-by-step instructions. This results in better quality control, more effective operations, and more customer satisfaction.

IMPROVED TRAINING AND ONBOARDING:

For new hires, the training and onboarding process is made simpler by digital work instructions. Organisations can readily convey complicated operations and promote faster learning by using clear instructions, visual aids, and multimedia components. Digital work instructions can incorporate interactive elements that let employees practise activities in a virtual setting, speeding competency and cutting down on training time. Examples of these interactive elements include movies and simulations.

INCREASED PRODUCTIVITY AND STAFF EFFICIENCY:

Organizations may simplify workflow procedures and increase staff productivity by digitizing job instructions. Digital instructions eliminate the need to sift through paper manuals or rely on memory by giving instant access to pertinent information. As a result, staff are able to accomplish jobs more quickly and with less downtime, which increases output and productivity.

REAL-TIME UPDATES AND COLLABORATION:

Employees can always access the most recent instructions and information thanks to the simplicity with which digital work instructions can be updated and shared across several devices. The workforce may immediately be informed of any updates or changes to processes, doing away with the requirement for manual distribution or retrieving out-of-date paperwork.

DATA GATHERING AND ANALYSIS:

Digital work instructions give organizations the chance to gather information on the performance and execution of tasks. Organizations may get insights into operational efficiency, pinpoint areas for development, and make data-driven choices by collecting data like job completion times, mistake rates, or resource utilization.



GUIDED ASSEMBLY

During the assembly process, guided assembly employs technology like digital displays or augmented reality to provide employees step-by-step instructions and visual clues. It promotes data-driven process optimisation, which leads to optimised assembly processes and greater product quality. It also increases accuracy, efficiency, decreases training time, prevents mistakes, and improves accuracy.

What it Offers?

INCREASED ACCURACY:

Guided assembly systems give employees clear instructions and visual cues, which lowers the possibility of mistakes or errors during assembly. Workers may guarantee precise component placement, alignment, and connection by providing clear and comprehensive instructions, including animations, diagrams, or 3D models.

INCREASED PRODUCTIVITY AND EFFICIENCY:

By removing guessing and cutting down on manual instruction reference, guided assembly systems expedite the assembly process. A more effective workflow is made possible by workers being able to follow instructions directly on digital displays or through augmented reality overlays. The system may also show the ideal order in which assembly procedures should be performed, reducing extra motions and increasing efficiency.

STREAMLINED TRAINING PROCEDURE:

Guided assembly streamlines training and onboarding procedures, especially for complicated or customised items. This results in less time and skill requirements for training. By following the digital instructions and visual cues, new employees may rapidly master assembly techniques, cutting down on the time and resources needed for training.

QUALITY ASSURANCE AND ERROR PREVENTION:

Guided assembly systems may include inherent error-prevention components. The system might, for instance, adopt error-proofing strategies like Poka-Yoke, which employ sensors or feedback systems to stop or identify problems in real-time. Workers may correct mistakes before they affect the overall quality or functioning by receiving prompt feedback or warnings.

DATA CAPTURE AND PROCESS IMPROVEMENT:

During the assembly process, guided assembly systems can gather useful data. Timestamps, cycle timings, mistake rates, and assembly completion rates are a few examples of this data. Manufacturers can locate bottlenecks, opportunities for process improvement, or possible training requirements by analyzing this data. It makes it possible to continuously optimize assembly operations, which boosts productivity and lowers costs.



TRACEABILITY

A traceability system is a technologically based solution that gives companies the capacity to track and monitor goods or components all the way through the supply chain. Ensuring compliance, enhancing quality control, and permitting effective recalls or investigations in the event of problems or safety concerns, offers visibility into product origins, production procedures, and distribution.

What it Offers?

BETTER QUALITY CONTROL AND CUSTOMER SAFETY:

A traceability system allows companies to track and keep an eye on items all the way from raw ingredients to completed goods. As a result, it is possible to implement improved quality control procedures and recognise and fix problems or faults right away. Traceability guarantees product safety in sectors like the food and medicines, and it facilitates quick investigations or recalls in the event of quality issues or safety problems.

REGULATORY COMPLIANCE:

Labelling, packing, and tracking requirements are governed by rules and standards in many businesses. Businesses can adhere to these regulations by putting in place a traceability system. The system makes sure that enterprises can demonstrate compliance by providing accurate records of product origins, production procedures, and distribution.

SUPPLY CHAIN VISIBILITY AND EFFICIENCY:

Traceability solutions give supply chain operations real-time visibility. Businesses can keep tabs on inventory levels, follow the flow of goods, and spot any possible bottlenecks or delays. Due to the proactive management of the supply chain made possible by this insight, firms are better able to manage their inventories, cut down on lead times, prevent stockouts, and increase overall operational effectiveness.

IMPROVED PRODUCT RECALL AND WARRANTY MANAGEMENT:

A traceability system helps organizations to rapidly and precisely identify problematic items and track them back to certain batches, suppliers, or production processes in the event of product recalls or warranty claims. This speeds up the recall procedure, lessening its negative effects on customers and cutting back on recall-related expenses.

BRAND PROTECTION AND CONSUMER ENGAGEMENT:

Traceability systems can give businesses a competitive edge by improving brand protection and consumer engagement. By being able to provide transparent information about product origins, certifications, and sustainability practices, businesses can increase consumer trust and loyalty. Consumers increasingly value knowing where their products are made and how they were made.



WHAT do our CLIENTS SAY

We have a vast number of production to handle on a daily basis. Earlier we were doing all the production entries manually. When I came to know about power profit technology I was glad to share my experience of the Productivity monitoring system. With the help of this we are able to generate productivity reports directly. It really helps us to save time.

-HEAD QUALITY FROM MACHINING CENTRE (WITH ALMOST 75 CNC AND VMC) IN FARIDABAD

Here I am sharing my feedback for the best solution which I am using from Power Profit Technologies Pvt Ltd by its implementation PMS. I have proper knowledge of where the energy can be utilized and where it is being unnecessarily wasted. It has really brought up a great change in our productivity.

-OPERATIONS HEAD FROM STAMPING UNIT IN GURGAON

I am sharing my experience of using one of the best solutions: Digital instruction is a game changer. My life has been shortened and now everything is aligned. This solution reduced our unnecessary paperwork and managed the time and efforts on Analysis and planning for CAPA rather than collection of Data.

-WELDING SHOP PRODUCTION HEAD FROM TIER-1 SUPPLIER OF MARUTI

Wow! Just so impressed by buying this wonderful solution-Guided assembly offers repetition of steps, occurrence of mistakes to much workforce everything has been reduced now for a fabrication industry.It is so difficult to maintain the records manually with the help of this I can focus on other wider aspects of my work.

**-SOMEONE FROM
FABRICATION INDUSTRY**

Thinking wisely and handling other task is always too much to handle for any manufacturing industry but with the implementation of PMS i can quickly take right decision with the automated data and reports it shares weekly I can keep an eye on what is happening by sitting even at my home because of its unique feature a big thumbs up to go for it.

**-SENIOR MANAGER
PRODUCTION FROM A
DIE-CASTING INDUSTRY**

Our company's productivity has increased since the installation of PMS. We don't need to run behind our team members to have reports or for any questions as everything has been automated now. It has saved a lot of time and effort.Also now We can identify even the Minor Losses along with the Major Losses Accurately and so CAPA is more effective than ever.

**-PLANT HEAD FROM PLASTIC
INJECTION MOLDING INDUSTRY**

जैसे कोई मशीन कम चली हो तो पता नहीं लगा पाते हैं पर अब आसानी से हम देख सकते हैं कि अगर प्रोडक्शन कम हुआ तो क्या कारण है।

**-CEO FROM WIRE
MANUFACTURING INDUSTRY**

जैसे ऑपरेटर अगर थोड़ी भी देर के लिया नहीं है मशीन पर पता नहीं लगता था पर अभी पीएमएस (PMS) की मदद से ये आसानी से रिकॉर्ड हो जाता है और छोटे से छोटा ब्रेकडाउन रीजन भी डाल सकते हैं।

**-PLANT MANAGER FROM
DIE-CASTING INDUSTRY**

हमें छोटी छोटी चीजों के लिए लोगो पर निर्भर होना पड़ता है जैसे प्रोडक्शन प्लानिंग के लिए सुपरवाइजर के साथ बात करनी पड़ती थी उनकी डाटा एंट्री ट्रस्ट करनी पड़ती थी लेकिन अब हम खुद देख पाते हैं पीएमएस की वजह से बहुत मदद है पीएमएस प्रोडक्टिविटी को बढ़ाने के लिये।

**-PRODUCTION HEAD FROM PLASTIC
INJECTION MOLDING INDUSTRY**

हमारी कंपनी की प्रोडक्टिविटी बढ़ गई है वो आसानी से देख पाते हैं अब की कौन सी मशीन डाउनटाइम में थी कौनसा ऑपरेटर चला रहा था छोटी छोटी माइक्रो लेवल पर प्रॉब्लम को अब आइडेंटिफाई करते हैं या उसके ऊपर काम करते हैं।

**-MANAGER PURCHASE
FROM ELECTRONICS
PCB MANUFACTURING
INDUSTRIES**

ब्रेकडाउन पता लगता है रिपोर्ट आती है और आसान रिजेक्शन मॉनिटर हो रही है ग्राफ बन जाते हैं। पीएमएस की मदद से ब्रेकडाउन विश्लेषण हो रहा है।

**-PRODUCTION SUPERVISOR FROM
TIER 1 AUTOMOTIVE COMPANY**

पहले डेटा नहीं मिल पाता था उसके लिए लोगों के पीछे भागना पड़ता था अब रियल टाइम डेटा मिल जाता है पहले बहुत टाइम लगता था नोट करना चीजों को पर अब रियल टाइम में वो आसानी से देख पाते हैं उनको काफी फायदा हुआ है पीएमएस से

**-DIRECTOR FROM
EPS INDUSTRY**

OUR CLIENTS





LET US HELP YOU WITH YOUR INDUSTRIAL NEEDS!



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