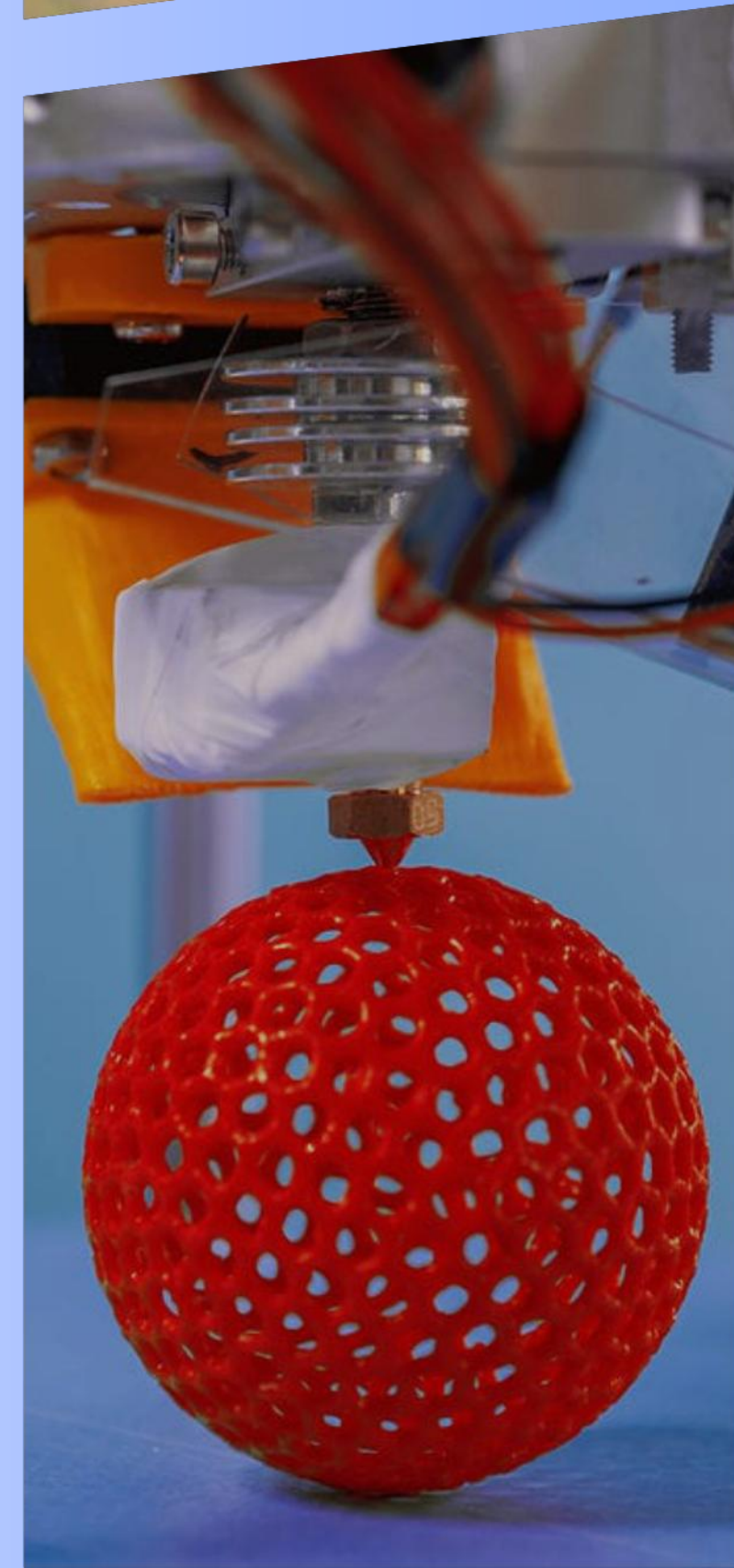
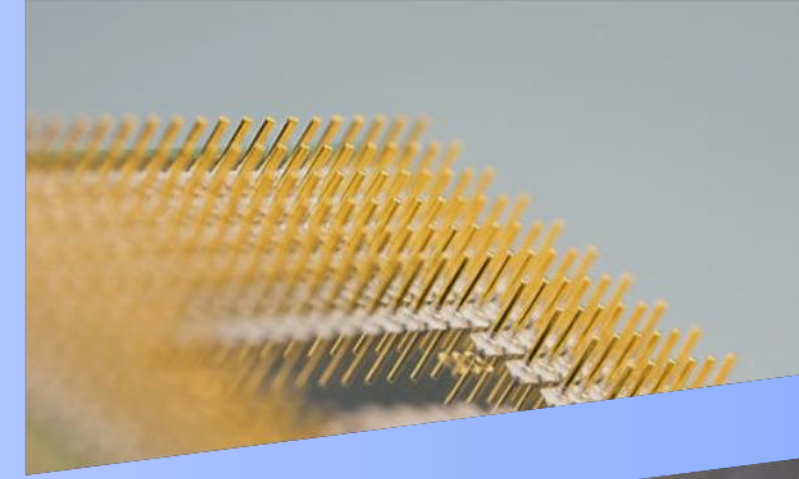
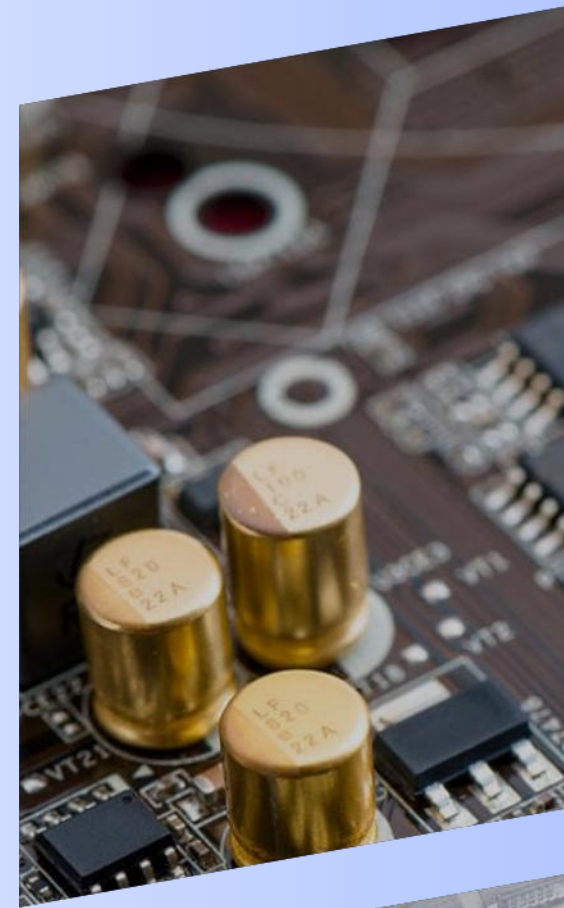




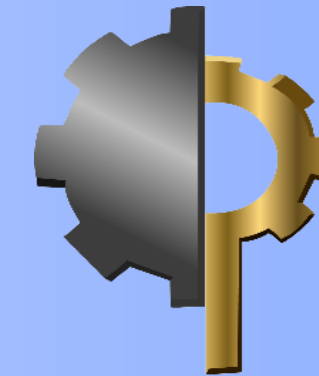
Idea, Inspiration, Innovation ...

PROGRESS

Instrumentation & Solutions Pvt Ltd

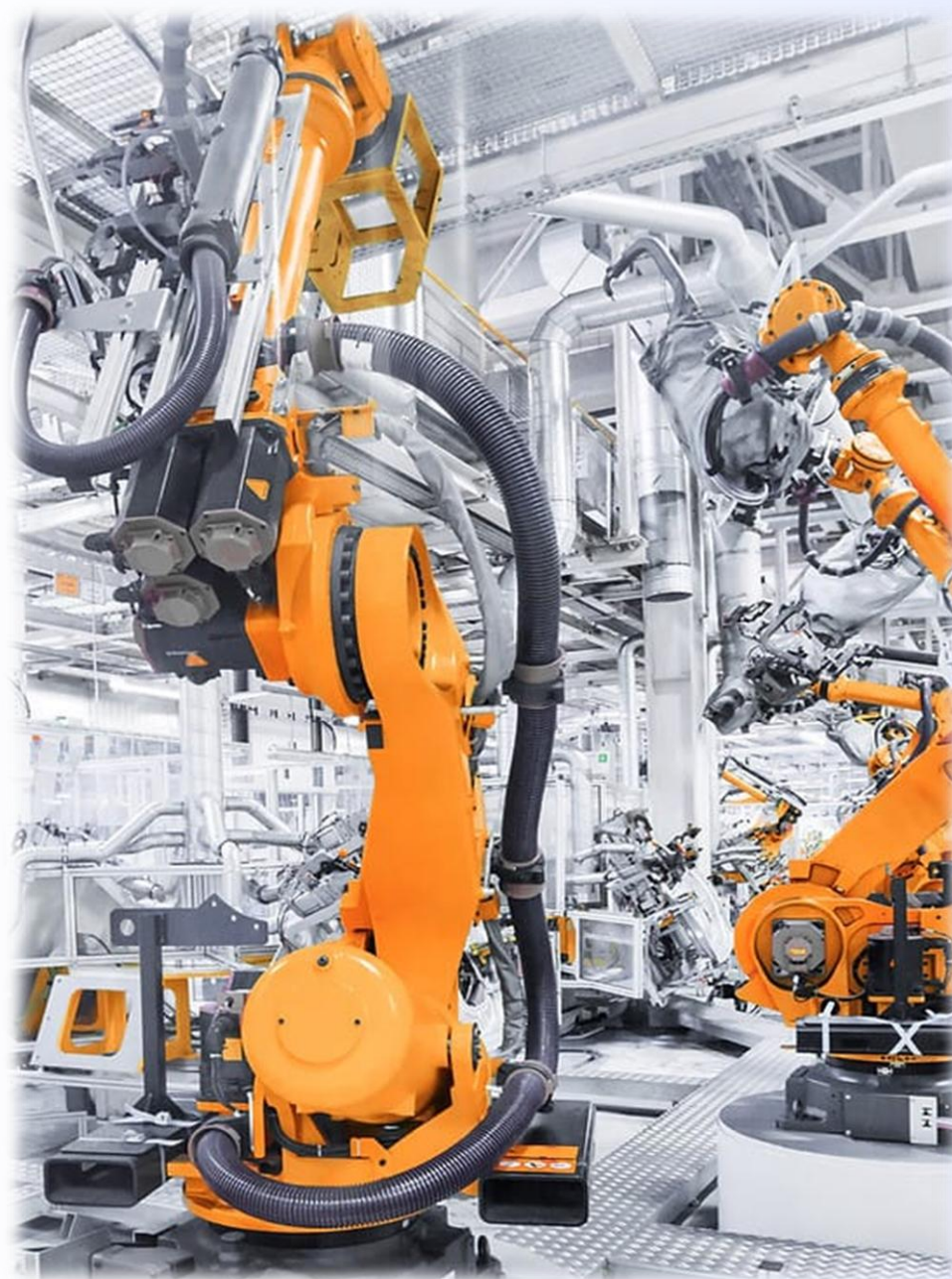


About Us



PROPRESS INDIA

Idea, Inspiration, Innovation ...

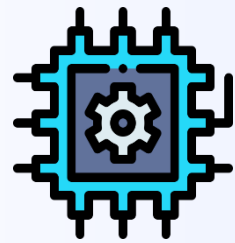


Propress Instrumentation and Solutions Pvt Ltd., a company promoted by IIT Kanpur alumni, and is engaged in the development of innovative ideas, technology and products.

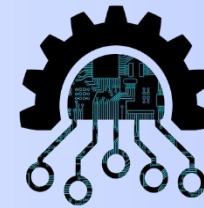
Propress India, where we specialize in cutting-edge Industry 4.0 and IoT solutions. Our innovative services include custom software development, hardware design, Industrial IoT, smart factory solutions, data analytics, consulting, product development, and market positioning. Explore how our technology solutions can transform your business today.



Our Services



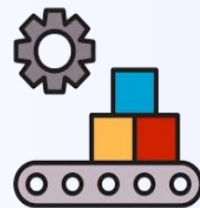
*Customized Software &
Hardware Design*



*AI-Based Predictive
Maintenance*



*OEE & Human
Efficiency*



*Industrial
Automation*



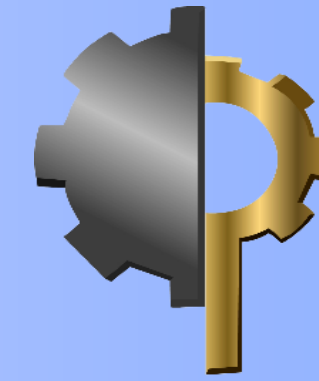
*Scheduling
Solutions*



*IoT
Sensors*

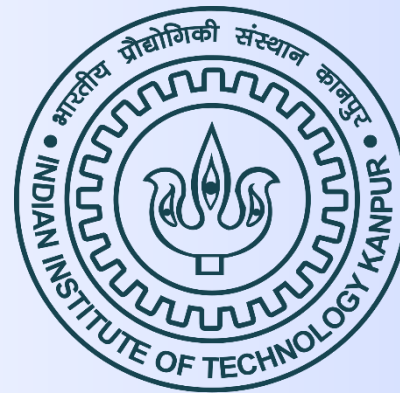


Our Clients

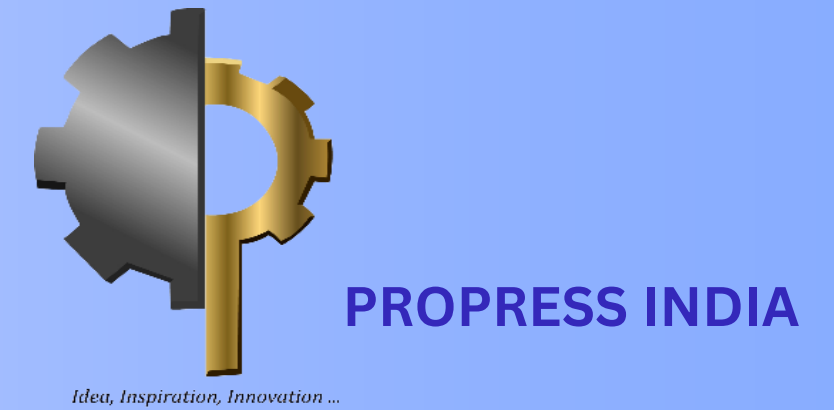


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Why Industry 4.0 ?



❖ Increased Efficiency & Productivity

- ❖ Automation & AI reduce human errors and improve output.
- ❖ Real-time data analytics optimize decision-making

❖ Cost Reduction

- ❖ Predictive maintenance minimizes downtime.
- ❖ Smart energy management reduces operational costs.

❖ Enhanced Product Quality

- ❖ IoT-enabled sensors detect defects early.
- ❖ Data-driven quality control ensures higher precision.

❖ Faster Decision-Making

- ❖ Cloud computing enables real-time data access.
- ❖ AI & ML provide predictive insights for better planning

❖ Customization & Flexibility

- ❖ Smart factories allow quick changes in production.
- ❖ Mass customization meets customer demands efficiently.

❖ Supply Chain Optimization

- ❖ Digital twin technology improves logistics and inventory.
- ❖ Blockchain ensures transparency and security.

❖ Workforce Transformation

- ❖ New tech skills create high-value jobs.
- ❖ Collaborative Robots assist human workers.

❖ Sustainability & Green Manufacturing

- ❖ Reduced waste with precision manufacturing.
- ❖ Energy-efficient smart grids lower carbon footprint.



Impact Story 1

Mission:

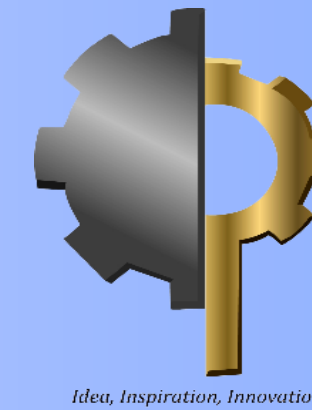
AI-based defect identification on a barrel system

Challenge:

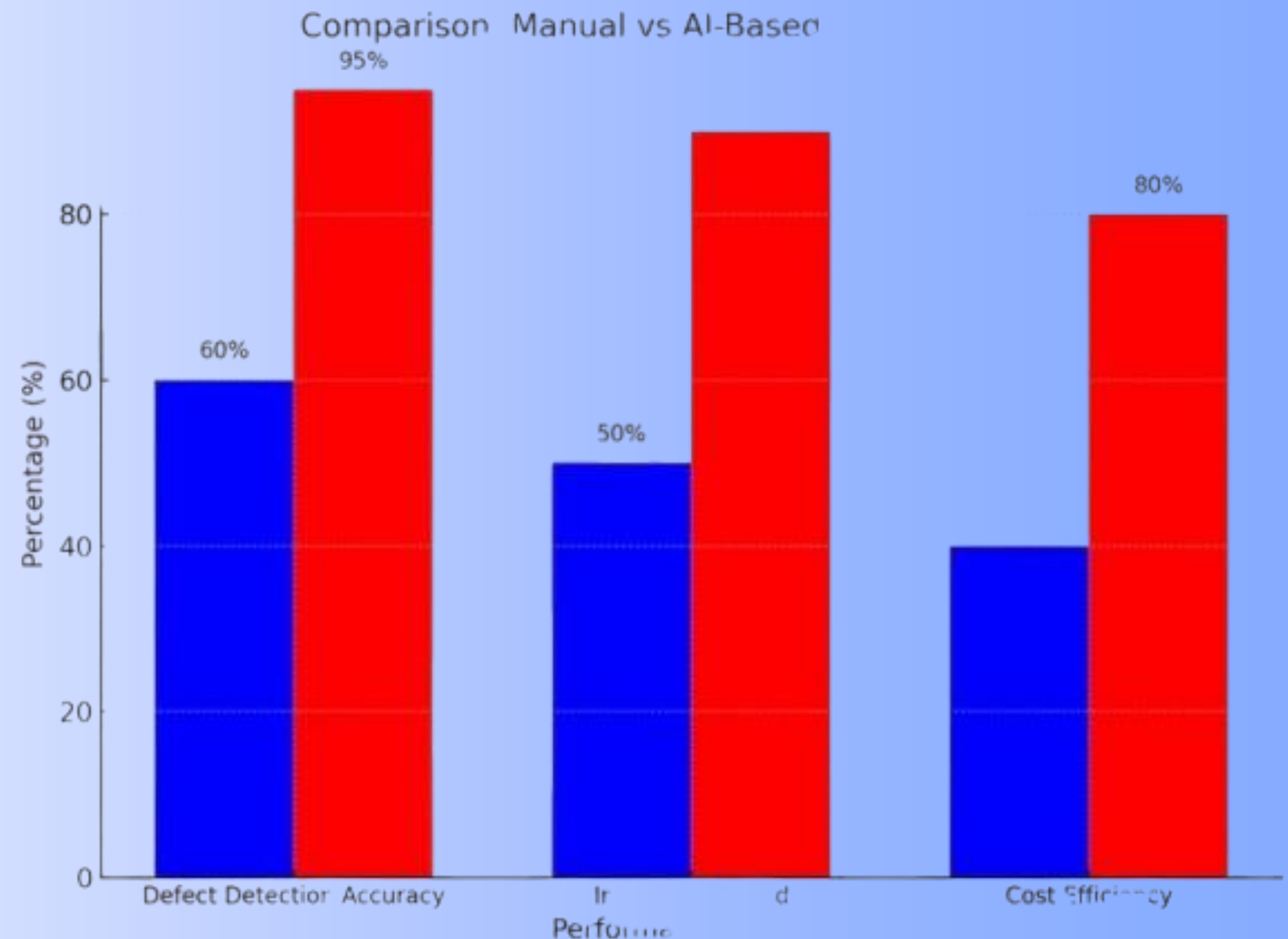
Detecting defects on barrels with complex surfaces is challenging due to varying defect types, lighting conditions, and the need for real-time accuracy in Oiled and glass finished barrel

Solution:

AI-powered vision systems utilize advanced image processing and machine learning models to identify and classify defects with precision through robotics crawler system



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Impact Story 2

Mission:

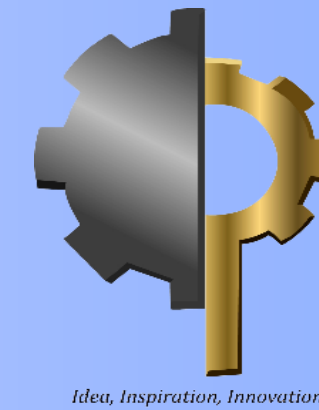
Develop a consolidated platform for monitoring Overall Equipment Effectiveness (OEE) of various machine types used by Orthotics Company , including PLC and Juki machines

Challenge:

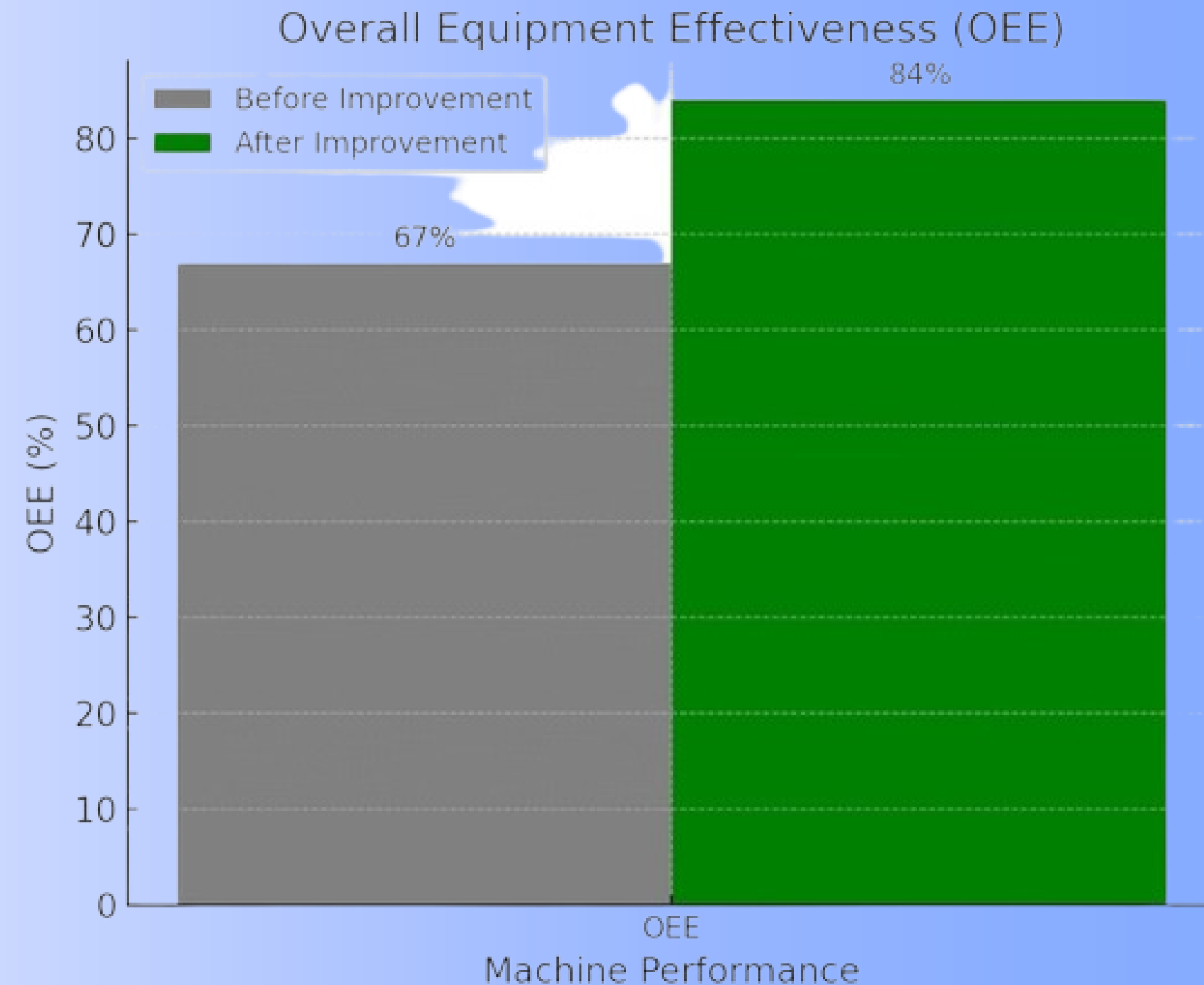
The current challenge is the absence of historical data. However, the system can store new data and make predictions based on it.

Solution:

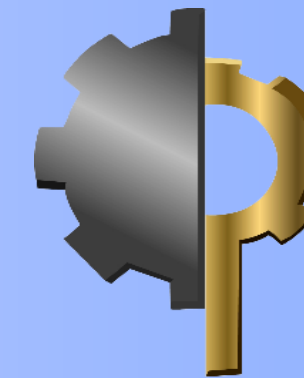
Machine or production line utilization, identify downtime, inefficiencies, and areas for improvement, Minimize waste in terms of time, materials, and energy, Tracks production quality by measuring



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Impact Story 3



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Mission:

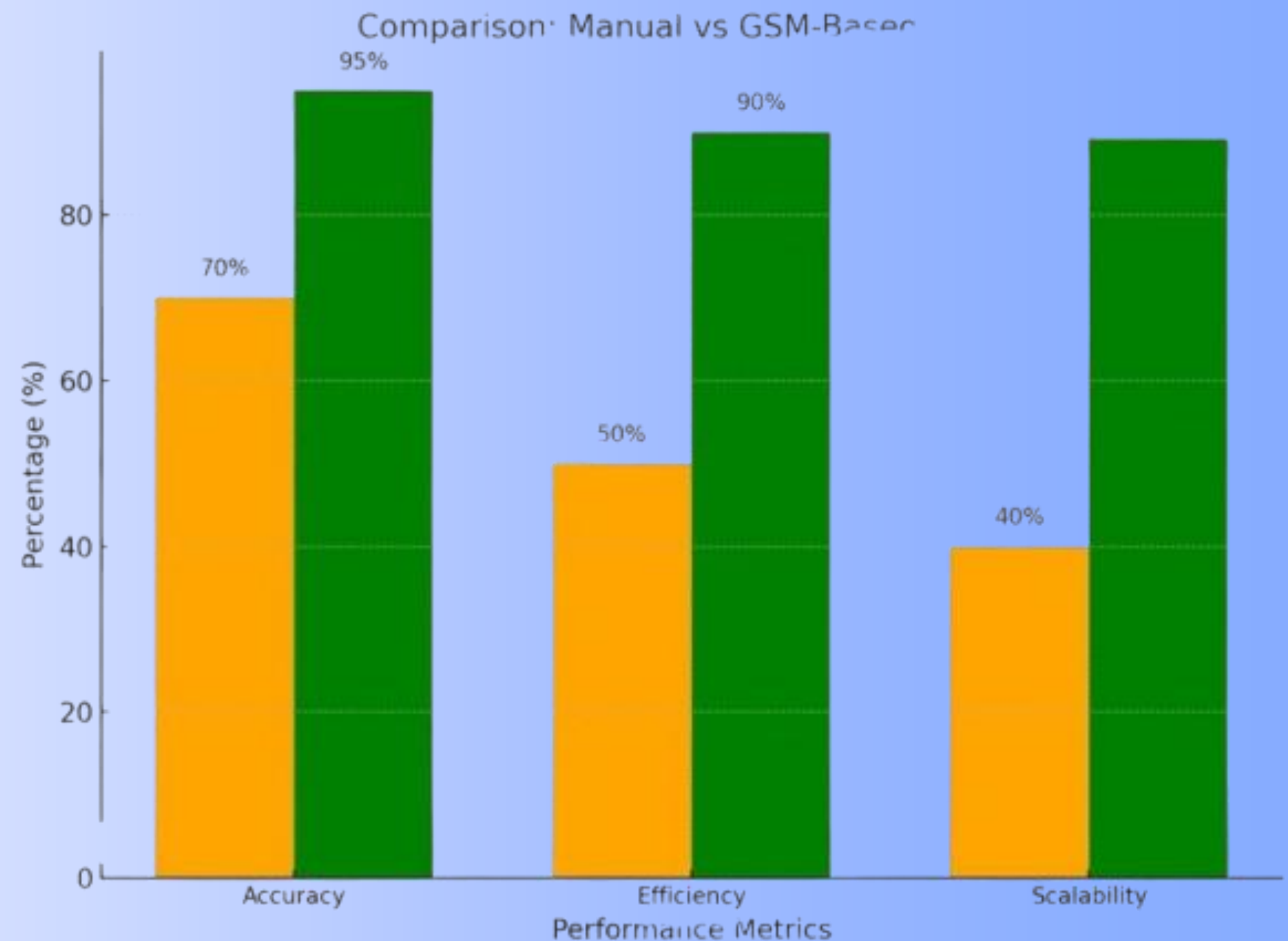
GSM-based IoT hardware system for billing of equipment or vehicle charging involves integrating sensors

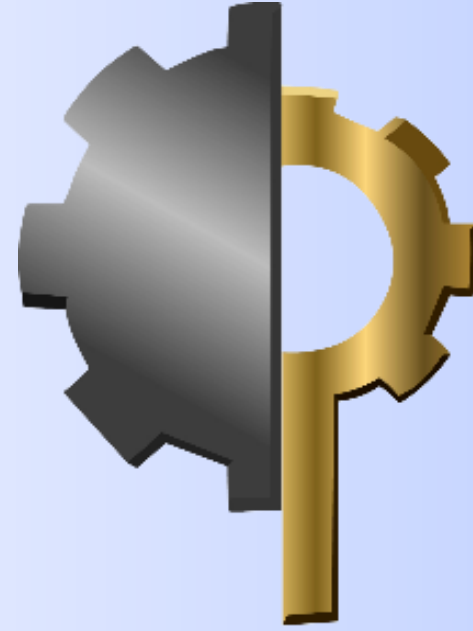
Challenge:

Ensuring accurate billing, maintaining connectivity, and high temperature securing data, and scaling for multiple users.

Solution:

Use precise sensors and hardware, SIM GSM modules, encrypted communication, and cloud-based platforms.





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THANK YOU!



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