



CASE STUDY

Duromax provides complete protective coating solutions for industrial structures and components. With in-house manufacturing facility and well trained team, we are one-stop, Total Solution Providers.

With products especially designed to suit your needs, Duromax provides durable repair and maintenance solutions. It strive to develop long term relationships with their customers, keeping integrity and ethics above all.

The Organisation

Duromax Hitech Coatings, established in 2005, is a leading provider of advanced coating solutions that enhance the durability, performance, and aesthetics of various applications. With a strong commitment to innovation, quality, and customer value creation, Duromax has established itself as a trusted name in the industry.

Industry

Coatings Manufacturing

Head Office

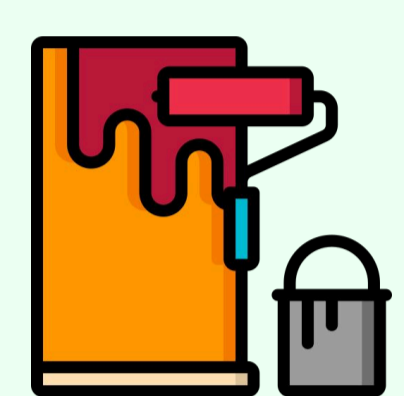
Lucknow

Covered

1000+ Homes

Requirement

Duromax required a comprehensive sales forecasting and inventory management system to enhance demand prediction accuracy, reduce overstocking, and streamline production planning. The solution needed to optimize supply chain operations, minimize lead times, and improve real-time tracking of inventory and sales performance.



15+

Surface Solution



20 year

Industry Solution



100+

Sold in Cities



20+

Year Life of Paint

Challenges

01

Unorganized Inventory Management: The company faced difficulties in maintaining an organized inventory system, leading to inefficiencies and potential stockouts.

02

Lack of Predictive Tracking: Without predictive tracking mechanisms, anticipating inventory needs and managing lead times was challenging.

03

Order Acceptance Issues: The absence of an inventory-based order acceptance system resulted in accepting orders without confirming the availability of necessary materials.

04

Manual Paint Mixing Processes: Guidance on precise paint mixing ratios and durations was not standardized, leading to inconsistencies in product quality.

05

Inefficient Production Scheduling: Without accurate inventory data, scheduling production timelines and meeting delivery commitments were problematic.



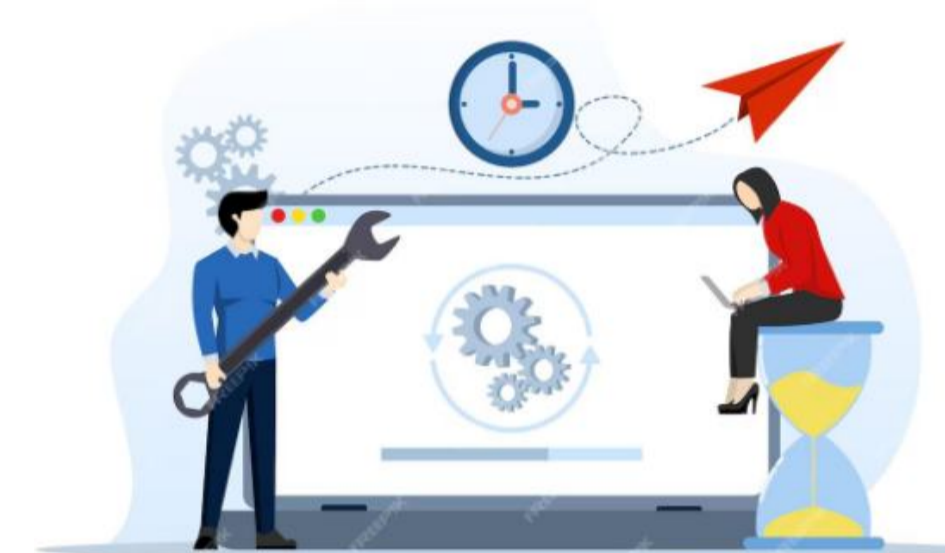


Solution

- **Comprehensive Process Analysis:** Conducted an in-depth study of Duromax's existing processes to identify pain points and areas for improvement
- **Automated Inventory Management System:** Implemented a digital system that tracks inventory levels in real-time, ensuring accurate stock information
- **Predictive Analytics Integration:** Incorporated predictive tracking tools to forecast inventory requirements based on historical data and upcoming orders.
- **Order Validation Mechanism:** Developed a feature that cross-verifies inventory levels before order acceptance, ensuring material availability for order fulfillment.
- **Automated Employee Productivity & Wage Calculation:** The barcode system automatically tracks work hours and completed tasks, replacing manual Excel tracking, saving time, and ensuring accurate wage calculations based on output.
- **Dynamic Production Scheduling:** Utilized real-time inventory data to create efficient production schedules, optimizing resource utilization and meeting delivery timelines.

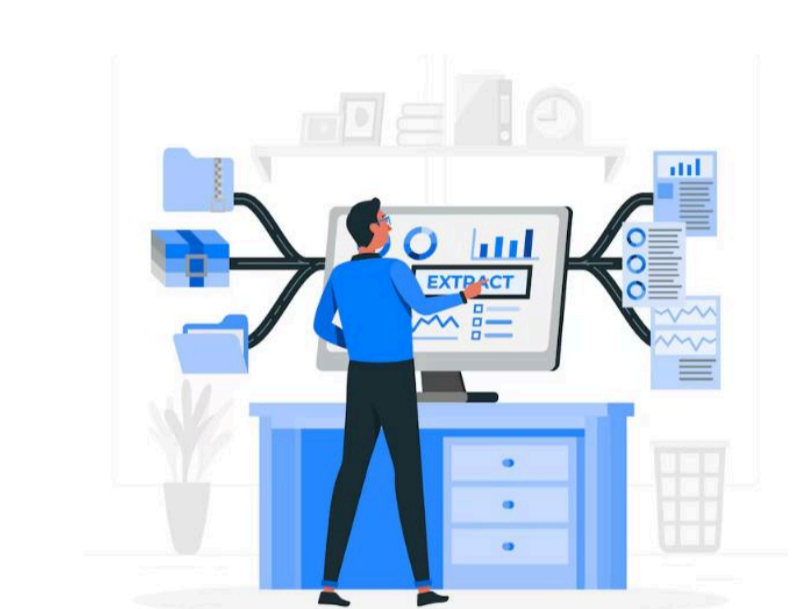
Impact

Improved Inventory Accuracy: Real-time tracking reduced discrepancies, ensuring materials were available when needed.



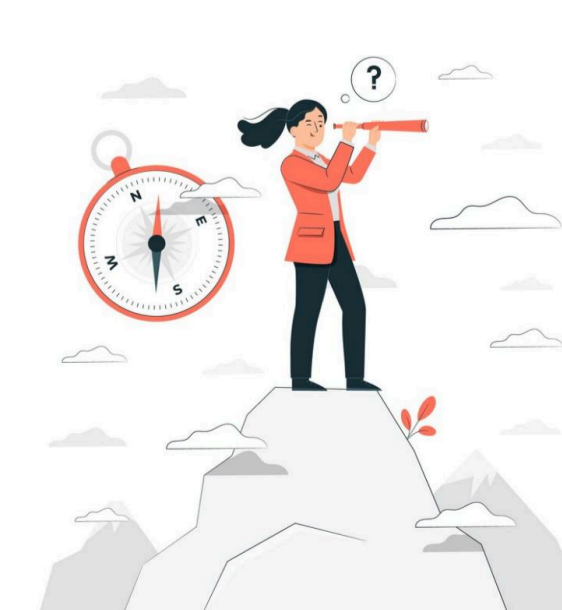
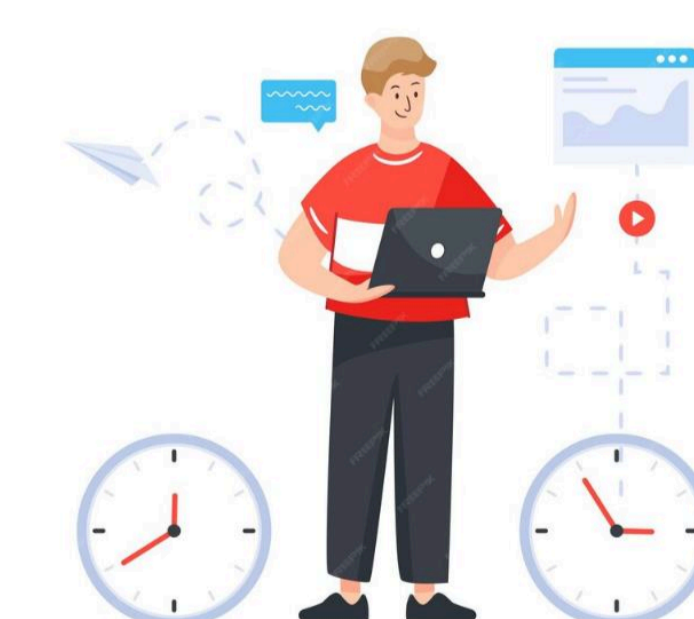
Enhanced Order Fulfillment: The order validation feature minimized the risk of accepting orders that couldn't be fulfilled due to inventory shortages

Consistent Product Quality: Standardized mixing instructions led to uniformity in paint colors, boosting customer satisfaction.



Optimized Production Efficiency: Accurate inventory data allowed for better production planning, reducing delays and increasing throughput.

Data-Driven Decision Making: Access to predictive analytics empowered management to make informed decisions regarding inventory procurement and production scaling.



Better Customer Satisfaction: Improved order fulfillment rates, consistent product quality, and timely deliveries strengthened customer trust and loyalty, leading to increased repeat business and positive brand reputation.