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# **Project Overview: Enhancing Supply Chain Efficiency**

## **Problem Statement:**

The organization faced challenges in optimizing supply chain efficiency across critical areas such as manufacturing operations, product lifecycle management, shipping processes, and supplier coordination.

## **Proposed Solution:**

To address these challenges, a dynamic and interactive Power BI dashboard was developed. This analytical tool visualizes key performance indicators (KPIs) across the entire supply chain, providing stakeholders with actionable insights into manufacturing efficiency, inventory flow, supplier performance, and logistics operations.

## **Value Delivered:**

• Comprehensive Supply Chain Visibility: The dashboard offers an end-to-end view, from production through to final delivery.

• Accurate Metrics: Tracks essential KPIs such as unit manufacturing costs, defect rates, production volumes, shipping durations, and inventory turnover.

• Bottleneck & Inefficiency Detection: Empowers users to quickly identify high-cost products, production delays, and supply chain disruptions.

• Enhanced Decision-Making: Equips stakeholders with the insights needed to optimize resource allocation, improve supplier relationships, and reduce total lead times—ultimately driving operational excellence.

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