

CASE STUDY 07



AI-Based Production Planning & Demand Forecasting

Manufacturing

Forecasting | Production Intelligence

Business Challenge

Manufacturers frequently have demand data, inventory data and sales history stored across ERP systems, but production planning still depends heavily on spreadsheets and manual judgment.

Solution

An AI forecasting engine combines historical sales, customer orders, seasonality, inventory, production capacity, supplier lead time, regional demand and SKU movement to predict future demand and recommend production quantities.

- Historical sales and customer order analysis
- Seasonality and regional demand modeling
- Inventory and production capacity alignment
- Supplier lead-time integration
- Recommended production quantities

Solution Flow



Business Value

Management receives a forward-looking view of what to manufacture, when to manufacture and how much inventory to maintain, while the existing ERP remains the system of record.

TECHNOLOGY

Machine Learning, Time-Series Forecasting, ERP Integration, Analytics Dashboard