

Streamlining Supply Chain with Quation's DWH & BI Solutions

Case Study



Industry Insight:

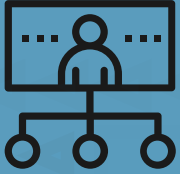
A leading German MNC, with an impressive revenue mark in 2022 renowned for its diverse range of food products including baking powder, cake mixes, frozen pizzas and more.

The company holds a prominent stance in India's booming condiments market with India being a significant player in the industry where the mayonnaise segment alone is forecasted for a substantial annual growth through 2032.

Strategic Focus: Precision Inventory Management

Chosen to tackle inaccuracies in heuristic stock management, this solution aims to revolutionize inventory management with a data-driven model, ensuring high precision in sales forecasting and optimize inventory levels effectively.





Core Challenge:

Manual data processing led to inaccuracies in SKU level inventory, hindering effective stock management.

Quation's Tailored Approach:

Strategic Analysis:



Constructed a robust data architecture, utilizing Microsoft business central dynamic 365 for daily data retrieval, supported by a designed data warehouse and Power BI reports tailored to business needs.

Agile Implementation:



Utilized Python for ETL processes and Power BI for dashboard creations, streamlining data management from retrieval to transformation.

Tailored Insights:



Achieved efficient inventory management through real-time dashboards, reducing manual efforts substantially.

Impact Delivered:

Outcomes Delivered:



Automation significantly **reduced manual process costs**, transforming 300 man-days of work into **mere hours**.

Strategic Wins:



The inventory dashboard enabled adept **stock level management**, particularly during high demand periods, **minimizing out-of-stock** scenarios and **optimizing inventory holding periods**, thereby **driving substantial savings** and **enhancing customer acquisition**.