

Elevating The Supply Chain Efficiency Of An Original Equipment Manufacturer



ABOUT CLIENT

- A multinational corporation specializing in energy management and automation solutions, operating in the manufacturing domain.
- An Original Equipment Manufacturer (OEM) with an annual turnover of approx. \$36 billion serving customers in multiple regions across the globe.
- The client has a strong commitment to embracing sustainability in all its operations including the supply chain.

PROBLEM STATEMENT

- The client majorly utilized spreadsheets and OneDrive to store and track procurement data, resulting in several limitations and challenges in the supply chain process.
- Storing data manually made it difficult to efficiently track and analyze procurement operations, supplier quality, and buyer performance.
- The client faced difficulties in accessing real-time and accurate data, which hindered their ability to make informed decisions.
- Our client was in search of a robust, comprehensive data solution to analyze their buyer's performance on the basis of 4 pillars: Quality, productivity, resilience, and sustainability.

SOLUTIONS

- **Data Engineering:** A robust data management system was implemented to centralize and consolidate procurement data efficiently. Through analysis of historical data, an appropriate database structure was designed and deployed, ensuring streamlined organization and processing of data.
- **Data Visualization:** Comprehensive Tableau dashboards were developed, offering real-time visibility into critical metrics within procurement operations. By integrating data from disparate sources such as purchase orders, supplier evaluations, and quality reports, a unified view was established.
- **Monitoring and Automation:** Supplier performance was closely monitored, measuring lead times from order placement to delivery. Quality performance assessments were conducted by calculating defect rates in raw materials procurement. Leveraging advanced analytics and automation, real-time energy consumption monitoring led to targeted efficiency improvements, as areas for enhancement were pinpointed and energy-saving measures were enacted.



Industry

Renewable energy



Products used

Parts Query Application (PQA) system



Functionality Enable

Data science



Impact

13%

Reduction in the lead time, resulting in faster order fulfillment and improved customer satisfaction.

12%

Improvement in procurement process efficiency, streamlining operations, and reducing cycle times

20%

Decrease in Defects Per Million (DPM) rate, resulting in higher product quality and reduced rework costs.

15%

Hike in buyer productivity through targeted performance improvement initiatives and training.

11%

More cost savings per year and better negotiation outcomes with improved supplier collaboration and communication.



pro tip

Parts Query Application (PQA) system aids the engineering team in tracking parts usage across projects, facilitating part revisions, and avoiding discontinuations.



Take the next step

Enable the PQA system, today!