DataToBiz™
Simplifying the Complex

www.datatobiz.com
CIN - U72900PB2020PTC051668

F-429, Industrial Area, Phase 8B
SAS Nagar, Mohali, India -160059

Procurement Analysis Solution for a Global Wind Turbine Manufacturer

- A Case Study

Client

- World's largest wind turbine manufacturer headquartered in Germany.
- Caters to multiple regions across the globe.
- Specializes in the development, manufacturing, project management and servicing of offshore wind turbines.

Problem Statement

The client wanted to get consolidated, real-time and effective insights of their procurement processes in one place.

Some concerns were as follows:

- Inability to detect and track minute-level issues in order management, vendor management, free stock and out-of-stock items, and more.
- Absence of a system to track key level indicators such as the granular bifurcation of the number of purchase orders as per the production plant, the month, the year, etc.
- Difficulties in managing and calculating the costs and savings of the suppliers from various countries.
- Lack of a solution that can measure the increase or decrease of the cost of raw materials over a period of time.
- No visual dashboard to get instant insights from the organization's data.
- Low-cost solution to smoothen the operations and address the issues.

Solution

Here's what we did to tackle the problem:

➢ Requirement Gathering

- Understanding the procurement processes model from the stakeholders.
- Data sources and KPIs were identified.

➢ Data Sourcing

- Data stored in multiple formats such as SharePoint files, flat files (Excel and JSON), Microsoft OneDrive files, legacy on-premise SQL, etc., were acquired.

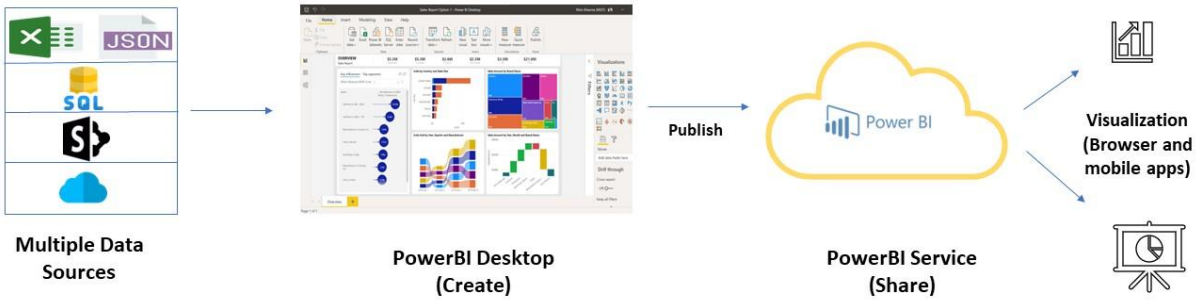
➢ Data Ingestion

- The data was stored in Azure Blob storage, converted to the structured format and fed to the data warehousing layer.

➢ Data Visualization and Optimization

- A customized dashboard was built using Power BI for tracking the KPIs and streamlining the processes.
- Complex data querying and analysis were performed to get in-depth insights.
- Optimization of the solution for faster loading of reports using Premium capacity workspaces.

Technical Architecture



Business Impact

- Full transparency and management of sales, costs and credit control.
- Better tracking of the material's lifecycle from the warehouses to the respective inventories. This helped reduce operational costs by 29% by the end of FY.
- Cumulated savings per plant increased by 1/4th as compared to the previous FY.