

Data consolidation and reporting using Power BI for a leading food manufacturing company



Faster analytics performance



Dramatically faster response times



Affordable implementation



Competitive advantage



Modern and Scalable

LET'S TALK

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Client Overview

The client is an edible oil manufacturer and dealer who uses SAP systems for all of the major transactions of the company. The client has plants across the country with suppliers and distributors spread across. Data related to oil production, distribution, sales was recorded both in the SAP system of the client and non-SAP systems used by the suppliers and distributors that mostly carried the secondary sales data. It was extremely challenging for the client to combine the data from both SAP system, and other systems that were having unstructured data, thus making real time reporting on sales, deliveries, payments and distribution a complex task. It was taking weeks to months to generate one report across these disparate systems.

Challenge:

- Get a consolidated view of SAP and non-SAP data together.
- Financial and HR data to be integrated in the common system.
- Issues related to data integrity and accuracy as data need to be imported for manual data sources like budgets and forecasts using master data management.
- Data redundancy as some of the data was stored, maintained and updated in multiple places.
- Data relevance as all the data may not be required for generating the relevant reports.
- More time taken for report generation as data has to be consolidated, cleaned, verified and then used for reporting from different sources.

Benefits

Faster data reporting

Time required to combine data from primary and secondary sources has reduced from a month to a day.

Improved performance

Significant improvement in workforce productivity and business performance on account of automation of data management.

Data consolidation and integration

The process of consolidation which was earlier done using MS Excel has now been automated thereby reducing the manual interference.

Solution

- Kanerika chose Microsoft Azure SQL to consolidate the data from both SAP and non-SAP systems, as they had to handle complex transformations involved in integrating primary and secondary sales data.
- Azure SQL is also ideal because of its ability to handle large volumes of disparate data.
- On top Azure SQL, Kanerika used Microsoft Power BI tool for generation of reports and dashboard.
- Microsoft Power BI comes with its advantages of having built-in industry-leading data security capabilities including sensitivity labeling, end-to-end encryption, and real-time access monitoring
- Microsoft Power BI enabled to find and share meaningful insights with hundreds of data visualizations, built-in AI capabilities, tight Excel integration, and prebuilt and custom data connectors.

Results

- ✔ **Identifying Sensitive Information**
Security team can easily identify any data security breach through the new data architecture. And this allowed them to take action momentarily.
- ✔ **Detail Profiling**
The executive gets detailed information on their products and delivery processes. It also shows what kind of data is present in the systems.
- ✔ **Lineage**
Security team can easily identify where the sensitive data is flowing and take corrective measure on them.

Why Kanerika?

Kanerika has the ability to understand the need and plan the models accordingly. We create a model that can replace the unnecessary procedures in between while not disturbing the company's processes. In this case, our team's knowledge of drivers and connections did help in designing a reliable data system architecture for our client. Kanerika's visible commitment to deliver on time and within budget earned the client's trust now into the future.

