

How a global industrial company modernized their data management and analytics initiatives

Client

A world-class global industrial company serving a wide variety of industries

Company Size

10,400+ employees

Location

Global

Featured Partners



databricks

The client sought a partner to drive their data management and analytics modernization initiatives for the Food, Health, and Nutrition (FHN) Division of one of their operating company.

The goal was to establish a robust framework for data quality management and governance across 11 operating companies and over 140 source systems, including ERP, CRM, and other operational systems. As part of this framework, we developed comprehensive dashboards across five primary domains. Marlabs was selected for this project based on our teams' extensive experience and proven methodologies.



BI &
Visualizations



Data
Management



Data Strategy



Data Migration

The Challenge: Outdated ERPs and visualizations causing data management and analytics issues



Objective: Establish a foundational level of data quality management and data governance across 11 entities.



Existing Issues: Having multiple non-integrated ERP systems that were out-of-date caused a lack of effective data visualization.



Solution Needed: Modernize the data and analytics platform, create comprehensive dashboards, and deliver extensive training programs.



Outcome: Enhanced data quality and governance, modernized and unified analytical systems, effective dashboards, and well-trained personnel.



The client's Food, Health, and Nutrition Division within one of their operating companies required a foundational data quality and governance framework, modernization of multiple ERP systems, and development of comprehensive dashboards. Additionally, extensive training programs were needed to ensure effective data governance and proficient use of technical tools by "Super Users" of Power BI.

The Solution: A comprehensive approach using our Modern Analytics Platform (MAP) framework

Marlabs employed a comprehensive and structured approach to address the challenges the client faced. By leveraging our prior experience, technical accelerators, and the proprietary Modern Analytics Platform (MAP) framework, Marlabs ensured a high degree of value delivered within the allocated budget. The solution was delivered through a combined onshore and offshore model, focusing on key workstreams to achieve the desired outcomes.

Assessment & Planning

We conducted a thorough assessment of the existing data management and ERP systems to identify gaps and define a detailed action plan.

Workstreams:

- Data governance framework design
- Data quality assessment

Implementation & Modernization

To improve data quality and integration, our team executed modernization of the ERP systems and established data governance frameworks.

Workstreams:

- Analytical system modernization
- Data engineering and integration

Data Visualization & Reporting

Our team developed comprehensive dashboards and reporting tools to enhance data visualization across key domains.

Workstreams:

- Data reporting and visualization
- Dashboard development for five primary domains

Training & Support

We provided extensive training programs and ongoing support to ensure effective data governance and proficient use of technical tools.

Workstreams:

- Data governance training for data owners, stewards, and custodians
- Technical training for “Super Users” of Power BI and Alation data catalog
- Alation catalog support

Services and Technologies Used:

Services:

- Modern Analytics Platform (MAP)
- Data Quality Assessment
- ERP System Modernization
- Data Governance
- Data Engineering
- Data Marketplace
- Self-Service Enablement
- BI and Data Managed Services
- Dashboards & Visualization

Technologies:

- Databricks
- Power BI
- Alation

The Results: Impact on the client organization

The implementation of Marlabs' solution resulted in significant improvements for the client's operating companies. These efforts achieved enhanced data quality and governance across all domains, as well as modernization and streamlining for multiple ERP systems. We also developed comprehensive dashboards to facilitate better data visualization. Additionally, Marlabs conducted effective training programs to equip data owners, stewards, and custodians with the necessary skills to manage data governance and utilize technical tools proficiently. Some of the results included:



Enhanced Data Quality: Improved governance across all data domains.



Comprehensive Dashboards: Effective data visualization across key domains.



Unified Data & Analytics Platform: Modernized and streamlined Analytical system



Effective Training Programs: Enhanced skills for data governance and tool usage among Super Users of Power BI.