LTIMindtree

CASE STUDY

Cloud-based Modern Data and Visualization Platform for a Europe-Based Industrial Manufacturing Giant

Client

The client is a leading provider of sustainable and smart urban mobility. They help organize cities by moving people and goods and connecting vertical and horizontal transportation systems. They endeavor to bring innovation, technology, and smart mobility with high ethical standards and respect for the environment.

Challenges

Develop a global reporting platform with a single source of truth

Automation of end-to-end data integration process

Develop Power BI Apps and Dashboards for enhanced Business Intelligence

Achieve better business outcomes with effective planning and decision-making

Create a unified data model to enable self-service reporting

Decommission the SAP BW ecosystem when the new platform is completely functional

LTIMindtree Solution

01 | Built a 100% offshore delivery model, which included data engineers, business analysts, SAP Data warehouse analysts, and visualization experts

02 | Architected and designed a solution on Microsoft's Azure platform to automate data loading from SAP to Azure cloud

03 | Re-engineered the complete ETL framework to make use of the Azure Data Factory, Azure Synapse Data Warehouse, Azure Databricks, and Power BI

03 | Built a semantic layer and Power BI Dashboards leveraging Power BI capabilities and features

05 | Enabled data quality and data reconciliation by building utilities on Databricks and leveraged deployments through Azure DevOps

06 | Developed a unified data model to make it an industry standard

Business Benefits

This transformation program helped the client modernize their reporting and BI ecosystem and overcome many hurdles in operational efficiency and reporting processes.

20+
BI dashboards live with coverage across 50+ countries

75+
TB of data managed on the Azure+Databricks ecosystem

15
million transactions handled daily

70%
reduction in data loading time and cost savings with ETL optimization. Built-in business intelligence – View the data and reports in real-time

User-friendly interface
A familiar web-based interface and a common data model supported leveraging global data were integrated with other Microsoft tools

Improved customer order handling
Faster execution of orders and creation of quotes from the system was enabled

Compliance with local tax regulations
Efficiently managed the localized scenario with the localization platform shared by Microsoft

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