

Global Manufacturer to Accelerate Financial Reporting, Optimal Decision-Making

International Digital Solutions Consultant LTI and MarkLogic® to Integrate Hundreds of ERP Systems Resulting in Comprehensive, 360-Degree View of Manufacturer's Data



 A Larsen & Toubro Group Company

(Partner)



CUSTOMER

Global power management and manufacturer

INDUSTRY

Manufacturing

CHALLENGES

Data, ERP Integration

CUSTOMER USE CASE

360-Degree View of Data, Semantics, Security, Data Governance

BENEFITS

Faster Time to Value, Reduced Costs & Risk, Improved Efficiencies, Performance and Decision-Making

Company Overview

U.S.-based multi-billion power management company and global manufacturer operates in multiple vertical lines of business and aims to improve efficiencies, costs and safety across numerous industries.

Challenges

Through acquisition, organic growth, and product expansion, this global manufacturing company was experiencing a data explosion. The company had hundreds of disparate ERP systems, each with massive volumes of data (multiple TBs of data each), as well as multiple ERP vendors and multiple versions of ERP software that further added to the complexity. Relational databases and ETL tools were being used to integrate the data, but the process was slowing innovation and sometimes resulted in data quality issues, which could lead to negative customer experiences.

The company needed to integrate its ERP systems, eliminating costly data siloes and time-consuming ETL processes in order to gain a 360-degree view of its data. With a comprehensive, up-to-date view of data, executives could reduce risk, speed financial updates, and improve profitability through optimal analytics and reporting.

The organization embarked on a massive integration project using traditional relational tools. After three years, the company had only integrated four of the hundreds of ERP systems. At this pace, the entire system would not be fully integrated for decades, resulting in the organization missing out on numerous opportunities and exposing the company to potential risk.

The Solution

The internal team conducted a proof of concept (POC) with the MarkLogic® database. MarkLogic partner LTI then worked with the manufacturer to ensure a streamlined, smooth process, planning to complete its entire ERP integration project in just six months. Most notably, LTI showed the organization how to remove costly and time-consuming data modeling, migration processes and systems, primarily by relying on MarkLogic's ability to ingest data as *is*.



“MarkLogic’s ability to quickly and easily integrate data reduces the need for costly and time-consuming data modeling and migration. This alone was a major selling point and made us realize we could dramatically accelerate the ERP integration project at a reduced cost to the customer. Additional benefits such as industry-leading security and innovative features like semantics made MarkLogic the optimal solution for us and our customer.”

— Soumendra Mohanty, EVP, LTI

Why MarkLogic?

Under LTI’s digital leadership, the manufacturer is using the MarkLogic database to conclude its ambitious ERP integration project. To date, the organization is experiencing:

Faster Time to Value

With the MarkLogic database serving as the foundation for the ERP integration project, LTI predicts the company will complete the solution 40x faster than with a relational database.

Future-Proofed Infrastructure

Because MarkLogic can handle multiple schemas, and version those schemas, new changes do not break existing connections and applications. As such, the company can rest assured that new data sources or changes to the infrastructure can be made with minimal IT headaches. Additionally, MarkLogic’s scalability can support tens of thousands of transactions per second.

Improved Data Governance

Once the data silos are integrated into the MarkLogic database, raw data and metadata remain intact and the company can track the details across the data lifecycle—its provenance, who can see it, how it changed—all in a single system, providing users with an actionable, 360-degree view of data.

Reduced Costs, Increased Efficiencies

By using a single platform, the company simplifies its enterprise architecture, which minimizes errors, costs and maintenance. Additionally, with a consolidated view of up-to-date, accurate and comprehensive data, executives can make smart business decisions, capitalizing on new opportunities while reducing risk.

Architecture



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