



Technology Advisory Case Study

Industry: Food Processing

Services: ERP, Data Warehouse

Technologies: SQL Server, IBM iSeries/AS400,
Microsoft Business Central, Power BI, ETL

Situation

A food processing company was operating with both legacy IBM iSeries/AS400 systems containing decades of historical data and a recently implemented Microsoft Business Central cloud-based ERP system for modern operations. This dual-system environment had several challenges: Management couldn't generate comprehensive reports spanning both systems without spending excessive time manually reconciling data from different sources, and executives lacked unified visibility into business performance metrics that required both historical context and real-time information.

Solution



MarksNelson, a Springline company, implemented a centralized data warehouse solution that integrated both legacy and modern data sources. The project involved developing custom ETL (Extract, Transform, Load) processes to carefully extract and migrate historical data from the AS400 system while establishing real-time connections to retrieve current data from the Microsoft Business Central ERP system. The solution included business intelligence dashboards that provided unified reporting across all data sources, enabling comprehensive analysis that combined historical trends with current operational metrics.

Results

The integrated data warehouse improved operational efficiency by reducing manual report generation time and eliminating data reconciliation errors. Management gained access to comprehensive dashboards combining historical and real-time data, enabling better reporting, and teams within the organization could now access historical information. The solution also positioned the company for advanced analytics capabilities while preserving their valuable historical data investments.

