CASE STUDY:
MANUFACTURING

DATASOURCE
C O N S U L T I N G

an EXL company

CLIENT BACKGROUND

This global manufacturer has been a Colorado staple since 1911 and has added operations in over ten countries. They manufacture products for several industries, including energy, automotive, industrial and infrastructure, and generate an annual revenue of over $3 billion.

BUSINESS FOCUS

Before partnering with Datasource in 2011, this global manufacturer of diversified industrial and automotive goods did not have an existing data warehouse. Datasource provided multiple ETL developers and a reporting consultant to combine data from 23 different global ERPs into a Global Sales and Standard Margin Data Warehouse. The warehouse leveraged an Informatica ETL solution and contained consolidated data from multiple disparate source systems.

In 2016, the company then needed a reliable daily reporting method for global daily sales and margins across regions, customers, and products, while accounting for currency fluctuations and diverse customer and product definitions. They again turned to Datasource to implement and refine existing data validation and development tasks for the data warehouse with business users across several, remote divisions. The manufacturer had internal Program Managers and Architects in the Business Intelligence (BI) department managing the many different BI and ETL business projects. Datasource provided a Sr. Informatica ETL Developer to partner with the internal teams to design, develop, and deploy the integration mappings for the data warehouse.

CLIENT CHALLENGE

The objective was to continue the implementation of a worldwide data warehouse which would support both the manufacturer and its affiliates. The Sr. Informatica ETL Developer partnered with the manufacturer's BI Manager to establish, document, and enforce standards and architectures for the data warehouse environment. The developer also provided technical guidance for future development and ongoing support to the manufacturer's internal ETL team and business end users.

THE DATASOURCE SOLUTION

- Analyze and validate the company's existing data and mappings in the data warehouse
- Review data models and requirements with the company's data architect and translate them into Informatica stage mappings
- Draft ETL design specifications and create, schedule, and execute data profiling jobs
- Work with the Data Warehouse Architect to perform source system analysis and identify key data issues through analysis of the data profiling results
- Assist with the implementation of ETL development guidelines, standards, and migration procedures and developed the Informatica ETL mappings

THE SOLUTION CONTINUED

- Test the unit, integration, and system processes
- Perform troubleshooting and provide resolutions to existing ETL issues
- Assist in the design and implementation of the ETL scheduling and recovery strategy, and develop code-build instructions using the company's standard templates to migrate code from development to testing to production
- Coordinate with their SCM resources to create a build sheet and code migration instructions for implementation

$3 Billion
annual revenue

THE RESULTS:

Datasource provided the manufacturing company with Senior Data Modelers, ETL Developers and Report / Dashboard Developers to define an end-to-end solution. This included working closely with stakeholders to understand complex requirements, which translated into prototypes that were then refined and ultimately became the Sales and Standard Margin Data Warehouse. The ETL Developers were responsible for analyzing global data and defining a sustainable and maintainable ETL solution. The process included defining development guidelines, creating reusable objects, and testing methodology. The Report Developer worked closely with business and modelers to define clear and understandable self-service reporting capabilities.

To support the diverse product and customer definition, Datasource developed a unique homegrown MDM solution using in-house tools and expertise to define customer hierarchies and link similar products across different regions.

The work Datasource performed enabled this manufacturer to analyze both sales and margins for products and customers across different countries in a common currency. Prior to the implementation this data was compiled manually in spreadsheets. Now, upper management is able to track daily sales, enabling them to make better informed, timely business decisions regarding pricing and stocking.

WE ARE PASSIONATE ABOUT DATA

We are a consulting company that focuses exclusively on enterprise data management, including both strategic and implementation services. We are experts in data architecture, data integration, data quality, data governance, MDM, reporting & analytics, and program management.

We employ the best and brightest experts in the industry. Datasource Consulting not only remains close to the latest technology and industry trends, but we also help move the needle with thought leadership in areas such as BI in the Cloud, Agile BI, and Big Data.

Empowered with a proven methodology that embraces Agile and Lean principles, Datasource Consulting knows how to make your project and program successful.

PARTNER WITH US

Contact us to learn more about how our data integration solutions can provide your organization with access to improved information enabling leaders, to make well-informed decisions and achieve more efficient operations.

DATASOURCE
CONSULTING
an EXL company

info@datasourceconsulting.com
888-4LEANBI (453-2624)
DatasourceConsulting.com