



CASE STUDY: **MANUFACTURING**

CLIENT BACKGROUND

Top manufacturer strengthens data quality as part of its Enterprise Data Management (EDM) strategy by partnering with Informatica and Datasource.

BUSINESS FOCUS

This American manufacturing company is best known for developing waterproof, breathable fabrics. The company also produces medical devices, cables, and cable assemblies for aerospace, automotive, and energy applications as well as electronic and electrochemical components used in various devices. Today, the company has manufacturing facilities in the United States, Germany, the United Kingdom, Japan, and China and sales offices around the world. They have approximately 11,000 associates in over 45 locations worldwide.

45
LOCATIONS
WORLDWIDE

OBSTACLES

This manufacturer relied on JD Edwards EnterpriseOne Enterprise Resource Planning (ERP) system as the foundation of its enterprise data infrastructure. However, business users experienced frequent data quality issues relating to customer and product information.

The company's current data quality process ran on SQL which was not optimized, making it difficult to maintain. The system lacked a robust process and tools to identify, measure, track, standardize, cleanse, and improve data quality. This resulted in incomplete, inconsistent, and inaccurate data and reports. This negatively impacted financials, productivity, decision-making, data confidence, and satisfaction.

THE DATASOURCE SOLUTION

With a recommendation from Informatica, the organization turned to Datasource Consulting to build an environment and solution for data quality improvements. After consulting with company leaders, the team chose to integrate an Informatica Data Quality (IDQ) solution as part of their overall Enterprise Data Management (EDM) strategy. The client selected IDQ because it addressed their data quality challenges, including data validation, data profiling,

duplicate detection and resolution, and address validation. It also provided best practices and workflows to support a sustained, scalable data quality program. The Datasource team included an Informatica Data Quality Senior Developer as well as an Engagement Manager and Technical Practice Lead. These specialists collaborated with the manufacturer's internal IT team and delivered on the data quality requirements.

THE ROAD MAP

Datasource team leaders started with the installation of three IDQ environments, including development, testing, and production. With input from the data owners, the team defined validation and manipulation rules based on business requirements. After performing data profiling analysis and rule collection, the IDQ developer designed, developed, tested, and deployed data quality processes and objects according to best practices.

Working with the company's data steward, Datasource consultants defined reference table values based on business needs. This included examining the data source and data flow such as user interaction and target tables (cleansed, matched, merged). Tasks of the Informatica Data Quality implementation included:

Data profiling and data quality checks:

Data profiling and data quality checks on customer and product data

Process design:

Development, unit tests, documentation and knowledge transfer for data profiling and data quality checks

Data cleansing:

Data cleansing, including address validation for customer and product data

THE RESULTS

Today the leading manufacturer has a sophisticated, scalable data quality tools, a new environment, and a tested solution in place that can be optimized and expanded as the organization's data needs change. As a result of the data quality initiative, the company's data stewards and analysts spend less time reviewing and cleansing data and can now devote their time to more strategic tasks. Instead, they can focus on data analysis and meeting company objectives. Business analysts and company leaders now have a robust data quality process and solutions that support:



Data validation



Data profiling



Detection

Duplication & Resolution



Data Steward

Workflow Process Support
& Sustainable Processes

The system also has the ability to take actions for data quality improvements. Executives believe the data quality program has greatly improved data integrity across the enterprise. As a result, the system has significantly enhanced reporting capabilities around critical company metrics. Looking ahead, the manufacturer also plans to expand its data quality initiative at an enterprise level across multiple business units and domains.

THE RESULTS CONTINUED

As part of the next phase of the project, the manufacturer plans to integrate additional data sources using Integration Platform as a Service (IPaaS) and build a more robust method for reporting data quality results. Company leaders are committed to prioritizing data quality and optimizing the data quality solution in order to drive innovation, efficiency and effectiveness across all aspects of the business.

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 management solutions can provide your organization with access to improved information, enabling leaders to make well-informed decisions and achieve more efficient operations.