

Success Story

ENTERPRISE DATA MANAGEMENT IN THE INDUSTRIAL AND MANUFACTURING SECTOR



CLIENT:

A Fortune 500 industrial and manufacturing company based out of the United States.

Scope of coverage:

- Multiple SAP modules
- Ms-Excel
- Ms-Access
- Ms-SQL

Business Case:

Integrated data from multiple sources across BU's and improved performance of large-scale data analysis

INTRODUCTION

Enterprise data management has been pushed to the forefront owing to the ever-growing need to enhance compliance, risk management, operating efficiencies, client relationships, and marketing initiatives across industries. Though most of these functions rely on accurate data sources, it is necessary to analyze each data source differently to meet the requirements of different functions. A well-structured enterprise data management system helps businesses to bring all these functionalities under one umbrella, holding the responsibility to establish standards of conformity, data integrity, and reliability thereby increasing efficiency and throughput.

However, to succeed in establishing greater control over these factors, businesses need to inculcate the domain expertise and the gain a deeper understanding of factors driving the enterprise data management strategy, the basic building blocks of the enterprise data management framework, and various other factors. This success story provides an overview of our enterprise data management capabilities and explains how it benefitted an industrial and manufacturing company based out of the United States.



Top Challenges Faced by the Client

- Lack of an enterprise view
- Siloed operations
- Lack of efficient time and resource allocation

SUCCESS STORY

Many of today's data management challenges confronted by players in the industrial and manufacturing sector can be addressed by a structured enterprise data management initiative.

About the Client

A Fortune 500 manufacturer and supplier of industrial equipment, screw couplings, suspensions, and gears. The client had multiple manufacturing facilities spread across the United States and were looking to adopt new technologies to sharpen their data management capabilities and gain a leading edge.

The Business Challenge

Over the past few years, the client faced several predicaments that gave rise to major roadblocks to their market expansion efforts. A siloed data management system resulted in data being stored in multiple systems with different functionalities.

REQUEST FREE DEMO





LACK OF AN ENTERPRISE VIEW

The client's enterprise data model failed to offer an overall enterprise view, due to the lack of a centralized data repository. This made it challenging to effectively manage and analyze the different data types, impacting the quality of data, integrity, and their ability to adapt to the changing business requirements. Also, there was a need for an enterprise-wide reporting and analysis solution that could be integrated with their existing systems to enable reporting of KPIs and metrics on a near-real-time basis.

SILOED OPERATIONS

The client's enterprise data management strategy failed to offer a unified view of crucial information due to inefficient data structures. The inefficient data management strategy adopted by them further posed major challenges that hindered cross-department communication and decision-making.



LACK OF EFFICIENT TIME AND RESOURCE ALLOCATION

The technology team was aware that they needed to implement a robust Enterprise Data Management (EDM) system to tackle their key data management issues. However, they lacked the required expertise and resources to engineer the solution in-house.



SOLUTIONS OFFERED AND VALUE DELIVERED

The client approached Quantzig to help them build a centralized repository, integrated with a BI front-end to improve their data analysis efficiency.

Phase 1

The initial phase revolved around drafting a business requirements document by conducting multiple meetings with key stakeholders to better understand their business objectives, scope, and timelines.

Phase 2

The second phase involved a detailed analysis of the client's SAP, Excel, and SQL data sets in order to create a technical architecture and specifications report. It involved:

- *Extraction of data from multiple sources to create a centralized data repository in the Ms-SQL database*
- *Integration and cleansing of data based on reporting and analysis requirements*
- *De-duplication, missing value treatment, creation of proxy identifiers, etc.*
- *Creation of multi-dimensional cubes at various levels of data aggregation to ensure rapid reporting and update of body text*

To improve their operational excellence, the client wanted to integrate the data from multiple SAP modules and other data sources into a central data warehouse. The practice of manually integrating the data from these sources with excel based data led to incomplete and error-prone reports. The client recognized that Quantzig's enterprise data management solutions would help them tackle these challenges. To help the client overcome their challenges the data analytics experts at Quantzig adopted a comprehensive three-pronged approach.

Phase 3

The final phase of this enterprise data management engagement revolved around offering suitable BI front-end recommendations based on the client's reporting and analysis requirements. As a part of the solutions offered in this phase, we-

- Integrated Ms-SQL database with Power BI
- Created subject-oriented dashboards for rapid data visibility and decision-making agility
- Empowered business users with mobile dashboards easy access

Key Results:

- Improved sales forecasting accuracy by 25%
- Boosted inventory forecasting accuracy by 30%
- Reduced IT support for BI through the use of interactive dashboards
- Visualized data on a variety of graphs, charts, and tables

Learn how our enterprise data management solutions and data visualization dashboards can open a new world of possibilities for your organization.

“

Data integration, data cleansing, and data visualization helped the client to analyze their data sets to boost overall business growth.

”

Click here to Get in Touch with our experts.

