

# Resolve data quality issues

with a single source of truth for materials data globally.

## OVERVIEW

In Apache's operating model, a centralized catalog team performed the material master creation and maintenance for all of its regional business units. To reduce the excessive back-and-forth communication between the centralized team and the business units required to clarify local material requirements, Apache made a significant investment and deployed a single SAP ERP instance with a focus on global master data. Unfortunately, without the implementation of data standards and governance, Apache had to contend with poor data quality data in its new system.

This created critical issues in inventory management and reporting, cost management and spend analytics, and sourcing. Users became increasingly dissatisfied. The company contracted a leading management consultant, PwC, to assess the situation. The consultant recommended Apache implement a Master Data Management solution to globally streamline, cleanse, and structure material data and establish an effective governance program.



Founded in: 1954



Oil & Gas exploration and production company



United States, Egypt, United Kingdom

**\$6.3 billion**

Oil & Gas Revenue

**\$2.37 billion**

Upstream Capital Investments

**440,000 BOE per day**

Production

**195,000** unique SKUs

## CHALLENGES



**Controlling costs and managing inventory**



**Complex, decentralized management**  
of MRO spare parts materials



**Lack of data standards**  
and governance



**Significant investments**  
in global enterprise resource management system with substandard results



## SOLUTION

### SPHERA'S MASTER DATA MANAGEMENT (MDM)

Apache turned to Sphera to help cleanse legacy materials data across six sites and four regions. The goal was to deploy common standards and governance processes, policies, and tools to achieve a sustained approach to reliable data.

Sphera's MDM solution helps organizations globally structure, visualize and manage data to:

- Improve overall asset management and business performance
- Optimize inventory
- Reduce and manage procurement costs
- Implement reliable maintenance programs
- Improve supply chain relationships
- Maximize enterprise system investments

## RESULTS

With Sphera's Master Data Management solutions, Apache was able to cleanse 67,000 lines of spare parts data, optimize line item detail, and consolidate duplicate entries. In addition, they were able to maintain the integrity of their data with preprogrammed item descriptions as well as the ability to route new material requests to the right people for data completion and approvals. Over time, Apache has introduced more sites and more data and has continued to leverage Sphera's solution to optimize and govern more than 40,000 lines of additional data.

**108,000+**

optimized and governed catalogs

**5.6%**

Identified and consolidated duplicate inventory entries

**1**

Centralized, global master data management platform



**Reduced maintenance backlog**



**Optimized inventory**  
and reduced one-time purchases



**Improved purchasing agreements**  
and significantly reduced item costs



**Seamless integration**  
with SAP ERP solution

Is your organization ready to improve the reliability of data as well as the safety and productivity of its assets?  
Contact us to learn more about Sphera's Master Data Management solutions.

[sphera.com/contact-us](https://sphera.com/contact-us)