

Transforming Energy Operations: A Case Study in Optimizing ERP, EPM and Analytics

datAvail



Company Overview

Revenue: \$793 Million

Industry: Oil & Gas

After an initial Oracle ERP and EPM cloud implementation led to inefficiencies and challenges, a prominent oil and gas leader recognized the need for a re-evaluation. The company engaged Datavail, a specialist in Oracle systems who conducted a detailed assessment and provided tailored enhancements and solutions. This led to a Retransformation Program that optimized their ERP, EPM, and analytics systems.

They integrated Oracle HCM Cloud to improve HR functionalities and developed a custom Apex application for operational streamlining. Additionally, a sophisticated data lake project was initiated to consolidate data sources into a single repository, enhancing data analysis and decision-making capabilities.

Challenges

- **System Performance Instability:** Frequent runtime errors and crashes disrupted daily operations and hindered scalability.
- **User Experience Deficiencies:** Systems were not user-friendly, complicating routine tasks and hampered overall process efficiency.
- **Data Management Gaps:** Poor data handling and governance led to inconsistencies, affecting decision reliability.
- **Manual Processes:** Extensive manual tasks in HR and finance decreased agility and increased error risks.
- **Security Vulnerabilities:** Weak data security exposed the company to breaches and non-compliance.
- **Underutilized Functionalities:** Advanced features of ERP and EPM applications were not fully leveraged, and underutilization resulted in missed opportunities for optimization and innovation.
- **Fragmented Integration:** The company faced operational silos due to the lack of cohesive integration across systems, leading to inefficiencies and delayed decisions.
- **Best Practice Misalignment:** Processes and systems did not align with industry best practices, affecting performance.
- **Process Inefficiencies:** Outdated systems and workflows caused high costs and inefficiencies, necessitating process streamlining.

Solution

ERP Enhancements

- Automated & optimized financial management processes.
- Revalidated and adjusted the chart of accounts to meet industry needs and compliance requirements.
- Integrated multi-currency and FX transaction support to streamline international financial operations.
- Enhanced data management for consistency.
- Aligned project portfolio processes for consistency, visibility, and control.

HCM Updates

- Automated payroll processes.
- Centralized employee data for better workforce planning.
- Integrated advanced reporting and performance management tools.
- Streamlined time and labor management processes.

EPM Improvements

- Enhanced FP&A tools to improve forecasting accuracy and streamline financial operations.
- Introduced workforce planning for strategic resource allocation and deeper workforce analytics.
- Transitioned to a decentralized planning framework for increased departmental autonomy.
- Upgraded EPM systems to support multi-currency transactions and foreign exchange operations.

Other Solutions

- Utilized Oracle APEX to develop customized, scalable applications.
- Consolidated data sources for enhanced analytics.
- Managed Services to sustain ERP and EPM processes, including ongoing support, maintenance, and optimization.



Results and Outcomes

20-30%

Reduced system runtime issues by 20-30%

30%

Automated financial & HR processes reducing manual effort by 30%

20-30%

Increased forecasting accuracy by 20-30%, empowered departments with decentralized planning

20-25%

Enhanced financial transparency by 20-25%, streamlined international operations with multi-currency support

100%

100% regulatory compliance, ensured audit readiness

30%

Boosted data reliability by 30%

15-20%

Sped up analytics capabilities by 15-20% through consolidated data lake

30%

Decreased training time by 30% through improved system interfaces and workforce management tools

Datavail resolved immediate operational challenges and laid a robust foundation for sustained growth, positioning the company for long-term success in the competitive oil and gas sector.