

One Global Standard For Engineering Information

Executive Summary

Managing multi-billion-dollar projects across continents, a global oil and gas operator faced inconsistent engineering information management practices that slowed approvals and increased compliance risk.

Assai DMS established a single global standard for engineering documentation, reducing administrative effort, improving compliance and giving every project team consistent visibility across the enterprise.

The Challenge

Operating across continents meant balancing local regulations, contractors and compliance demands.

- Regional document systems and inconsistent workflows
- Duplicate documents and uncontrolled revisions across assets
- High audit pressure and varying compliance requirements

The organisation needed a single engineering information management system that standardised processes globally while adapting to local regulatory requirements and project structures.

Results

Area	Outcome
Document approval cycles	70% reduction
Compliance deviations	80% reduction
Audit preparation effort	60% reduction
Return on investment	<12 months

| The Assai Solution

Deployment was completed across multiple regions within nine months, aligning thousands of users around a single standardised engineering information management process. Built on a long-standing partnership, Assai DMS was implemented in phases across regions, evolving with the client's standards and regulatory requirements.

Key capabilities included:

- Unified, cloud-based environment supporting multi-project structures
- Automated workflows for document revision, approval and transmittal
- Configurable metadata and access rights for regional teams
- Centralised audit trail and MDR functionality for full traceability
- Integration-ready architecture connecting with ERP and engineering systems

Implementation established a consistent engineering information management approach across the organisation, improving collaboration, simplifying compliance and supporting global project delivery.

| Project Insight

Standardising engineering information management with Assai DMS gave the organisation one common process for document control across all projects, improving transparency, collaboration and audit readiness worldwide.

| Strategic Value

The organisation established a unified engineering information management standard that now underpins capital projects across the enterprise.

By harmonising workflows and compliance requirements, the company reduced risk, simplified audits and accelerated decision-making across global operations. The system also provides the foundation for future digital initiatives, including Digital Twin and advanced analytics, ensuring long-term value and innovation.