eQ Technologic X EDF

Efficient Data Migration and Management for EDF Energy

Modernizing engineering data and enabling scalable PLM transformation for nuclear operations

30M+

Objects & relationships migrated from Documentum to Teamcenter

10M+

Documents supported with scalable configuration management

3,000

Users enabled with analytics and project-wide data visibility

EDF Energy manages mission-critical nuclear engineering programs requiring strict regulatory compliance and timely access to accurate data. Legacy systems and disconnected repositories created silos across “As Designed,” “As Constructed,” & “As Built” information, increasing project risk. EDF needed a phased, low-risk approach to migrate and unify engineering data in Teamcenter while maintaining continuity across commissioning, construction, and asset management workflows.

How We Helped

Phased Data Migration Strategy

Designed and executed a phased migration approach to onboard internal and contractor data with minimal risk.

Legacy System Modernization

Enabled the transition from Documentum to Teamcenter to support scalable document and configuration management.

Nuclear Lifecycle Configuration Alignment

Integrated “As Designed,” “Commissioned,” and “As Built” plant configurations into a unified PLM model.

Downstream System Integration

Integrated Teamcenter with three downstream systems using secure, API-based interfaces.

Supply Chain Data Enablement

Supported phased onboarding of contractors and suppliers with controlled access and data segregation.

Analytics-Driven Visibility

Delivered role-based dashboards and analytics to improve project oversight for 3,000 users.

Features

Single platform supporting data migration, system integration, & analytics for nuclear programs.

Seamless integration between Teamcenter and downstream systems using standardized APIs.

Pre-built dashboards and analytics providing operational insights across project phases.

Benefits

Single Source of Truth

Established Teamcenter as the authoritative system for nuclear plant engineering and configuration data.

Improved Delivery Timelines

Enabled faster access to accurate data, supporting adherence to project schedules.

Lifecycle Data Continuity

Ensured consistency across "As Designed," "As Constructed," and "As Built" configurations.

Scalable Document Management

Supported growth beyond 10 million documents without performance degradation.

Cost Optimization

Reduced operational costs through the retirement of Documentum.

Informed Decision-Making

Empowered stakeholders with real-time insights through dashboards and analytics.

Process

01
Assessed legacy Documentum data and defined migration scope, sequencing, and governance.

02
Migrated internal contract data while validating structure, metadata, and quality.

03
Onboarded contractor and supplier data with phased functionality and access controls.

04
Applied validation rules to ensure data accuracy, traceability, and compliance.

05
Integrated Teamcenter with downstream systems to support commissioning and asset management.

06
Executed planned rollouts aligned with project milestones and user readiness.

eQube® Products Used

eQube BI

eQube MI

eQube TM

eQube GMP

eQube® Connectors Used

ORACLE

TcUA

Microsoft SQL Server

Architecture diagram