



Major Energy Company Uses Fusion Data Hub for Data Access and Reporting

Fusion helped a multinational energy company liberate its operational data from 40+ global sites. Centralized data in the cloud is optimized for Power BI, enterprise analytics, and third-party applications.

Background

One of the world's leading integrated energy companies is engaged in every aspect of oil, natural gas, fuels, lubricants, renewable energy, as well as hydrocarbon exploration and production. Business units also produce petrochemicals used in industrial manufacturing. The company operates in more than 180 countries and ranks in the top 20 of the Fortune 500.



Fusion Data Hub is an exemplary and critical partner. Their team is working with us to drive innovation and scalability to accelerate us to our goals in commoditizing surface time-series data for enterprise reuse by making it universally available, accessible, and useful.

-- **Process Control System Engineer**
Major Energy Company

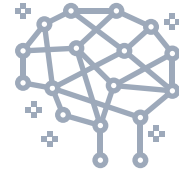
Challenges

The energy company was experiencing several challenges in accelerating its digital transformation program. Chief among these was extracting data of any type from data historian applications like OSIsoft PI. Data drives decisions, but lack of data goes nowhere. Other significant challenges included egressing metadata models from current systems like PI-AF, encountering low latency for streaming data, and overcoming the common hurdles associated with transporting tags.

Advancing toward digital transformation demanded exploiting opportunities to scale, reuse, and share innovations across the company's global footprint. Key systems required integration for a digital twin to incorporate operational data. All application, machine learning, and reporting development must be in alignment with best practices.

Solutions

Fusion fundamentally changed how the company accesses and leverages its operational data. Fusion connectors automatically ferry data in real-time from more than 40 sites globally to a cloud-based historian. Fusion organizes the data and makes it accessible for different audiences. As a result, the company can fast-track and share innovations, as well as leverage digital twins and applications like machine learning.



Applications



Digital transformation was the goal, but the timetable needed to be accelerated, especially with operational data across various regions. Fusion Data Hub had the answer.

Fusion provides data connectivity to different endpoints for historical, instantaneous, and metadata. It then extracts that data from on-premise operational systems, like OSIsoft PI, and moves it to the cloud. Fusion organizes that data for use by different stakeholders, providing access in an open format for visualization, analytics, orchestration, and reporting.

Fusion liberated the company's industrial data and enabled the transfer of OSIsoft PI data to the cloud. Once in the cloud, Fusion organized and correlated the data for different stakeholders, including in different business units for use in various analytics applications.

Results

Egressing PI and PI-AF data from over 40 sites worldwide and moving the data to a central place in Fusion has enabled the company to make an impact across multiple areas of the enterprise, including:

- » Optimization and Fleet Benchmarking
- » Stream Costs and Soft Sensors
- » Failure Prediction and Root Cause Analysis



Fusion Data Hub

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We would love to show you how Fusion Data Hub removes operational technology (OT) data constraints to help your organization achieve industrial intelligence.

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