



ACHIEVING TRUE SCALE IN OIL AND GAS WITH COGNITE DATA FUSION

Improve Operational Performance • Reduce Downtime • Deploy Safer Solutions

Major operators are doubling down on digital investments because their ambitions go beyond keeping the lights on. Extracting the most value possible from data requires putting it in context first - then making it available and accessible to users beyond data specialists. In the current market conditions, improving performance to get the most value from existing E&P

operations is crucial to survival, as we progress toward the energy transition.

Challenges exist at every level of your E&P business. Solutions can also be found that deliver on critically needed foundational capabilities to improve resilience, speed, and scaling of digitalization value.

Leaders in Oil and Gas Use Cognite Data Fusion to Transform Their Operations

We partner with our oil and gas customers to maximize the value of their data, equipping them for the digitalized future by making the **right data available** to the **right users** at the **right time**.

Aker BP Lowers Operating Costs And Increases Productivity With Its Digital Transformation Initiatives

Many oil and gas asset operators rely on paper printouts for their jobs, which can lead to lost work time and delays to maintenance, and therefore increase the incidence of asset failure. Aker BP, a Norwegian oil and gas exploration firm, undertook a digital transformation initiative to increase productivity and lower costs. This initiative included, among other solutions, a well surveillance system to detect early signs of well failure and provide alerts;

a smart monitoring system that combines physics-based modeling and domain knowledge to optimize produced water disposal; an analytics-based method for calibrating multiphase flow meters (MPFMs); and a 3D model of its oil fields to reduce time spent on manual inspections and locating equipment. These initiatives are estimated to reduce Aker BP's operating expenses by about **15%**, saving **\$22.5 million** annually.

Reference: Verdantix report, by Sebastian Winter with Malavika Tohani, August 2020

Cognite Data Fusion is the leading industrial data operations foundation that makes traditionally siloed operational, engineering and IT data instantly available to users across the organization, enabling better decision making and intelligent workflow automation to improve operational performance.

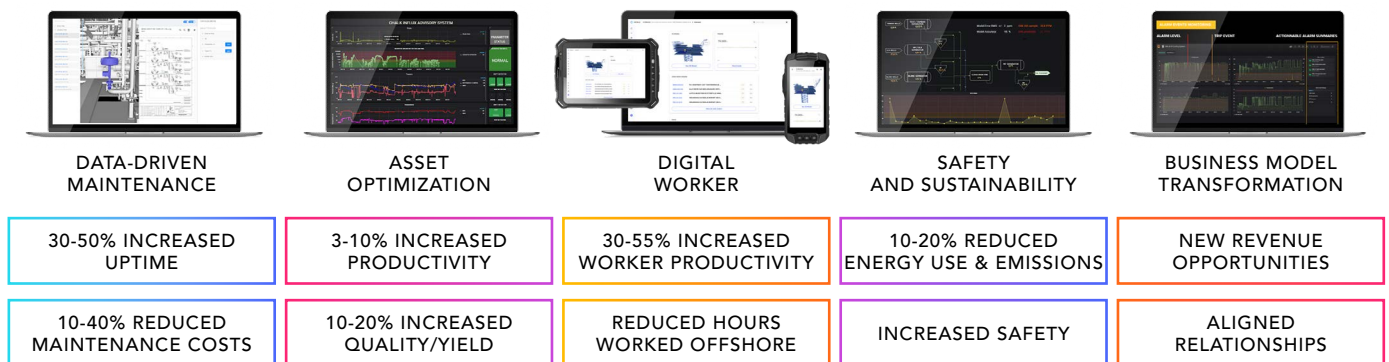


Cognite Data Fusion Delivers Data and Operational Insights

- **90%** less time spent on making sense of data: Though our unique ET/OT/IT data contextualization, users can instantly understand all data in rich context, with complete metadata.
- **10-25x** faster time to deploying solutions into live production use: Similar to time to first oil, faster time to realizing value from digital has a direct impact on the bottom line.
- **Competitive advantage in the energy transition:** The future of energy requires operational resilience, agility, and speed — also from data operations. Cognite Data Fusion is the only platform built from the ground up for industrial data operations in the cloud-native era.

Cognite Data Fusion Lays the Foundation for Scale

According to conventional wisdom, it costs **6-10x more** to deploy to production and maintain a new digital solution than the initial MVP development. With Cognite Data Fusion, operationalizing to production and scaling across your equipment and asset fleet redefines this cost of convention.



Use Case Spotlight: Data-Driven Production Optimization

Data-driven production optimization is a major step forward for heavy-asset industries. There is ground to be made up in the production process, bottlenecks to break, and thresholds to cross. Physics models have taken engineers a long way, but with the addition of machine learning and live contextualized data, value capture can go much further.

Cognite Data Fusion gives engineers the ability to zoom in on processes, locate persistent problem areas, and analyze them with greater granularity. Engineers retain control of their domain and can use their expertise to verify the results of machine learning models combined with conventional physics-based process simulation models. This hybrid analytics approach is already taking industries like oil and gas the extra mile.