



Statoil Increases Production across Multiple Sites by up to 3% with Real-Time Data Solution

Global energy leader deploys aspenONE® Production Management and Execution (PM&E) as the process data portal foundation for improved integrated operations across the enterprise.

Statoil is an international energy company with operations in 34 countries. The company is headquartered in Norway and has about 30,000 employees worldwide. Goodtech, an AspenTech partner, is a Norwegian technology and engineering company with over 1,400 employees. Goodtech has an integrated operations team working with Statoil on turnkey projects.

With a broad geographical distribution of assets, Statoil needed a solution that provides ready access to real-time data to facilitate better decision making, enable remote monitoring of equipment and processes, and facilitate the relocation of functions and personnel from offshore to onshore.

The aspenONE Production Management and Execution solution was selected as the foundation for Statoil's process data portal efforts implemented across 18 sites with 1,000 users. The solution serves as an enterprise best practice, unifying global operations and delivering between a one to three percent increase in production.

Customer Profile

Statoil
Energy Company

Challenge:

Improve data availability and work processes to increase well operating efficiencies

Solution:

aspenONE PM&E solutions provide real-time data access across the enterprise and enable remote asset monitoring

Benefits:

- Increase production by up to three percent
- Leverage more accurate data for improved decision making
- Achieve a faster response time to issues by taking advantage of expert resources
- Shift offshore responsibilities onshore



Photo: Kjetil Alsvik/Statoil



Enabling Work Process Improvement

Statoil recognized that to improve work processes and increase well operating efficiencies, it was imperative to improve data access and availability across the enterprise. The defined system requirements included the ability to:

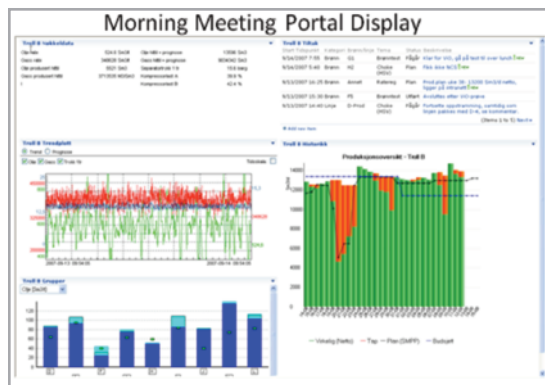
- Provide real-time data access
- Support operating procedures
- Communicate common information to all users
- Allow for paperless, on-line reporting
- Facilitate remote support for offshore wells

The solution also needed to be highly reliable with a powerful set of viewing and analysis tools, including role-based web functionality.

Implementation Strategy

Aspen InfoPlus.21® became the central data collection component for the process data portal implemented by GoodTech Solutions and Statoil. The topology diagram below shows the general architecture of the implementation.

Aspen Role-Based Visualization™ with Aspen IP.21 Process Browser was used for data access and visualization via the web. A number of other solutions within the aspenONE PM&E suite provide complementary features to complete the process data portal implementation.



This portal display provides a common view of data, enabling everyone to work from the same information to make critical production and business decisions.

Realizing the Benefits

The aspenONE PM&E solution provides Statoil with the functionality needed to present real-time process data in an effective way, enabling the energy company to fully leverage remote experts across many assets and improve work processes.

About AspenTech

AspenTech is a leading supplier of software that optimizes process manufacturing—for energy, chemicals, pharmaceuticals, engineering and construction, and other industries that manufacture and produce products from a chemical process. With integrated aspenONE® solutions, process manufacturers can implement best practices for optimizing their engineering, manufacturing, and supply chain operations. As a result, AspenTech customers are better able to increase capacity, improve margins, reduce costs, and become more energy efficient. To see how the world's leading process manufacturers rely on AspenTech to achieve their operational excellence goals, visit www.aspentech.com.



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