

Integrated operations solution for upstream oil and gas

Drive improved efficiency and productivity of oil and gas operations



Highlights

- Drives improved productivity and decision support from near-real-time visibility of operations and assets
 - Enables cost control and optimized operations through performance comparisons across assets
 - Helps reduce safety risks and environmental impact with proactive analysis of performance indicators
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As your upstream oil and gas operations grow in size and complexity, the lack of visibility across your field assets such as oil fields, platforms and pipelines can lead to difficulties in managing remote, asset-intensive environments. The diversity of environments, siloed systems and lack of process standardization can also result in operational inefficiency and drive up costs. In addition, you may be under pressure to comply with increasingly stringent environmental regulations while minimizing safety risks in remote and hard-to-access production environments.

The upstream integrated operations solution from IBM provides tools and capabilities that can help optimize your upstream oil and gas production and profitability through real-time visibility across multiple operational assets. Our solution can help you improve information sharing, analysis, sensing, monitoring and data capture to enable increased operational efficiency of your upstream oil and gas production environments. In addition, based on our industry experience, we provide a systems-based approach to proactively capture data that define performance indicators on safety risk and environment.

Facilitating improved productivity through visibility of operations and assets

Our solution helps you to develop a sense-and-respond capability through near-real-time monitoring and analysis of operations. Using our tools, you can improve information sharing, analysis, sensing, monitoring and data capture to better understand, forecast and adapt to your production environments. Our integrated solution capabilities enable you to instantly access key data relating to oil field assets, measurements and documents, helping you make timely and optimized business decisions.



Enabling greater cost control through performance comparisons across assets

We can help you drive optimal performance through knowledge management and control with increased accessibility to cross-asset operational data. Our solution provides enterprise-wide access to real-time process performances and allows your production supervisors and other oil field professionals to use better information to draw more efficiency and more production from oil field assets. This enables you to achieve better cost control of your oil and gas production operations and helps improve overall operational efficiency.

Driving compliance through proactive analysis of performance indicators

Our upstream integrated operations solution uses an open, industry-standards-based integrated information framework to non-disruptively integrate your disparate information sources. We provide you with remote management and automation capabilities that help reduce safety risks through data mining and trend analysis. With the solution, you can improve your operational measurement, reporting, forecasting, operational planning and decision making and reduce environmental impact.

Why IBM?

With our extensive implementation experience in enterprise management and our advanced research and development capabilities, IBM can help optimize the efficiency of your oil and gas operations. By connecting processes, people and information, we can create a sense-and-respond environment and enable you to better understand, forecast and adapt to your remote and hard-to-access production environments. We also offer a comprehensive scope and scalability of hardware, software and services.



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