



Halliburton and Sekal Deliver World's First Automated On-bottom Drilling System for Equinor in the North Sea

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HOUSTON--(BUSINESS WIRE)--Feb. 26, 2025-- Halliburton (NYSE: HAL) and Sekal AS deployed the world's first automated on-bottom drilling system with the integration of Halliburton's LOGIX™ automation and remote operations, Sekal's Drilltronics®, and the rig automation control system.

The team delivered a well for Equinor on the Norwegian Continental Shelf with an integrated closed-loop control solution. This solution orchestrates autonomous directional drilling with automated wellbore hydraulics and dynamic surface drilling rig equipment control.

The team is now able to optimize drilling parameters in real time and deliver precise well placement with the single push of a button through integrated automated rig controls.

The system optimizes well placement and drilling within safe limits through real-time advanced models of subsurface, wellbore fluid, and pressure systems. It achieves this by coupling the models with smart directional drilling tools and the rig automation control system.

"This project demonstrated autonomous on-bottom drilling where we orchestrated industry leading technology of well placement, wellbore integrity, and rig process automation. The future for drilling automation is bright, and it is here," said Josh Sears, senior vice president, Drilling and Evaluation, Halliburton.

The solution includes LOGIX orchestration, auto steer, vibration mitigation, and hole cleaning optimization with Sekal DrillTronics dynamic safeguards, and automation functions.

"With the execution of integrated automation, Halliburton and Sekal proved the benefits and viability of autonomous on-bottom drilling," said Jarle Vaag, chief executive officer, Sekal.

About Halliburton

Halliburton is one of the world's leading providers of products and services to the energy industry. Founded in 1919, we create innovative technologies, products, and services that help our customers maximize their value throughout the life cycle of an asset and advance a sustainable energy future. Visit us at [halliburton.com](https://www.halliburton.com); connect with us on [LinkedIn](#), [YouTube](#), [Instagram](#), and [Facebook](#).

About Sekal AS

Sekal AS is a global leader in digital solutions for optimized drilling performance and drilling autonomy. The company's advanced technologies help the energy sector transition to autonomous drilling operations with increased efficiency, reduced costs, and minimized environmental impact. For more information, visit [Sekal.com](https://www.sekal.com).

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For Investors:

David Coleman
investors@halliburton.com
281-871-2688

For Media Relations:

Milka Horst
pr@halliburton.com
281-318-9676

Source: Halliburton