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LOGIX®: Precision Drilling Through Intelligent Automation

Halliburton's LOGIX now integrates advanced machine learning algorithms and predictive bit wear analysis to improve rate of penetration by up to 30 percent.

Houston – Sept. 18, 2024 – Halliburton today introduced the next generation of its [LOGIX® automation and remote operations platform](#), designed to refine drilling performance. LOGIX assists with autonomous drilling, streamlines well delivery, can shorten production timelines, and reduces rig time through intelligent automation.

LOGIX merges downhole data with rig control systems to help create a more efficient and reliable drilling experience. LOGIX, equipped with advanced automation controllers and surface algorithms, has used autonomous technologies to drill more than 12 million feet and achieve an improved rate of penetration (ROP) up to 30 percent.

“LOGIX’s automation and remote operations is designed to advance operational standards, optimize efficiency, and minimize well times,” said Jim Collins, vice president of Sperry Drilling at Halliburton. “LOGIX is a customizable platform built to address multiple customer needs. From more precise well placement, increased ROP, longer bit runs, and smoother wellbores with better reservoir contact, LOGIX helps improve customer asset value.”

The platform’s latest features use advanced machine learning algorithms to adjust drilling parameters, engineered for optimal operation. These improvements boost drilling efficiency, fine tune shoe-to-shoe performance, predict bit wear with more accuracy, reduce non-productive time (NPT), and hasten well delivery for faster, more reliable operations.

LOGIX responds to changes in geological formations with the analysis of data from adjacent wells and updates the drilling plan with live data. This adaptability is designed to maintain optimal performance and prevent disruptions as drilling conditions evolve.

To learn more about LOGIX automation and remote operations visit:
<https://www.halliburton.com/logix>

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. Connect with Halliburton on [LinkedIn](#), [YouTube](#), [Instagram](#), and [Facebook](#).

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