



Automated oil drilling rigs

Drilling Automation and Innovation-2025 Everywhere you look these days, there is talk of how advances in big data, artificial intelligence, and machine learning will revolutionize ...

As the U.S. rig count continues a slow rise in a somewhat muted response to higher prices for crude oil and natural gas, two giants of the ...

Leading the industry in rig automation, our control systems seamlessly integrate drilling equipment, improve performance, and boost drilling efficiency.

Halliburton and Sekal have announced the deployment of what they claim to be the world's first automated on-bottom drilling system for ...

The well was drilled to a total measured depth of 19,917 feet. Nabors Industries Ltd. (NYSE: NBR) has announced that the world's first fully automated land drilling rig has reached ...

Automation of oil rigs has the potential to make offshore drilling safer and more efficient, and yet, progress in this area has been fitful. Now, ...

Additionally, smaller crews mean less trips to rig sites, and combined with more consistent drilling performance, autonomy reduces both energy consumption and activity-related CO2 emissions ...

Technological Advancements in Drilling Equipment The oil and gas industry relies heavily on sophisticated drilling equipment to access ...

Additionally, smaller crews mean less trips to rig sites, and combined with more consistent drilling performance, autonomy reduces both energy consumption ...

When picking up a rig from a new drilling contractor, there is often a discovery period as teams work to align on processes, expectations, and ...

The oil and gas industry has entered the world of automation and digital process control. Norway-based Robotic Drilling Systems AS and Siemens have teamed up to develop ...

This article aims to provide an overview of research trends and state-of-the-art technologies in face exploration and drilling operations in order ...

Make every well better than the last Our cutting-edge digital drilling solutions harness the power of automation



Automated oil drilling rigs

to revolutionize efficiency, precision, and ...

For example, automated drilling sensors give instant feedback, helping operators to quickly detect and fix issues. Automated Drilling Applications Automated drill rigs equipped ...

The Precise system connects with key rig components via remote I/O on the drawworks, top drive, mud pumps, and drill floor. Control everything from the ...

Automated drilling rigs are transforming operations in the oil and gas industry by integrating advanced technologies that enhance efficiency and safety. These ...

Automated drilling rigs offer higher accuracy, reduced labor expenses, and improved safety records. Companies adopting these technologies can expect a favorable ...

Companies use AI to run drill rigs and predict broken pumps Technology could slash costs and squeeze more oil from wells From a dark ...

This solution orchestrates autonomous directional drilling with automated wellbore hydraulics and dynamic surface drilling rig equipment ...

Nabors" fully automated PACE-R801 rig drilled nine wells for ExxonMobil as part of a pilot project that was completed this year. The rig ...

With the recent announcement of a fully automated oil rig in the Permian basin, the question of the potential dangers of an automated drilling rig naturally arises. The oil and gas industry has ...

Drilling the Bakken Formation in the Williston Basin Large hole drilling rig for blast-hole drilling A drilling rig is an integrated system that drills wells, such as oil or water wells, or holes for piling ...

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The closed-loop drilling execution earned both companies the 2025 Digital Enabler of the Year Award and represents a step forward in ...

Automated Rig Technologies Ltd. (A.R.T. Ltd.) was established in 2010 in Calgary, Alberta, Canada by a group of engineers and designers with a goal ...

FlexFusion is an elevated advancement in drilling automation that seamlessly integrates cutting-edge technologies with our industry-leading FlexRig fleet to deliver unparalleled performance ...



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Nabors retrofitted an existing rig - X29 - with RZR (pronounced razor) and has drilled multiple wells for ExxonMobil in the Permian Basin. In 2021, Nabors ...

5 days ago R& D Technical Section Q& A: Drilling Automation--People, Process, and the Rise of Smart Rigs This article is the fourth in a Q& A series from the SPE Research and Development ...

This weight-to-weight connection time is typically used to measure the performance of an automated drilling process. In one case, a rig started to ...

“Successfully drilling with the world's first fully automated land drilling rig marks the culmination of a five-year engineering journey for Nabors.

The Automated Drilling Systems leveraging advanced technologies like artificial intelligence, robots, and real-time data analytics, are ...

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