



Automation of drilling rigs

This article reviews automation in drilling and mining, focusing on trends and state-of-the-art technologies for face exploration and production ...

Closed-loop drilling automation pays dividends in safety and cost reduction by reducing rig rental time and extending bit life. Automation is also ...

Nabors Industries Ltd. has announced its PACE #174;-R801 - the world's first fully automated land drilling rig - has reached total depth on its ...

Technological advancements in autonomous drilling rigs are transforming the mineral exploration sector through the introduction of refined automation and data analytics. ...

Seamlessly integrating with our automated technologies, these super-spec rigs have served as the industry leader for decades and are designed for optimal ...

It will be able to control more rig systems--fluids, drilling, geosteering--imultaneously. AutoROP is the DrillOps Automate optimized ...

Progress made over the last few years in mechanizing rig equipment, adding sensors and digitizing workflows means that drilling is ready for autonomy. It ...

2024 Drilling Rigs & Automation Features Innovating While Drilling#174; Safety and ESG September/October Automation, robotics and sustainability shaping visions for rig of the ...

The AutoMine #174; Concept Underground Drill is a fully autonomous, twin-boom development drill rig capable of drilling without human interaction. The ...

Whether it's exploration, blast hole, or production drilling, precision and reliability are non-negotiable. At Telemation, we deliver integrated drill rig automation ...

Drilling Rig Automation: Revolutionizing Efficiency in Drilling Rig Companies The oil and gas industry is witnessing a significant transformation with the advent ...

Rio was the first company to achieve fully automated hole-pattern drilling without human intervention. Its Autonomous Drill System (ADS) enables an operator using a single ...

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witnessing a significant transformation with the advent of drilling rig automation.

LOGIX(TM) automation and remote operations integrates autonomous drilling solutions that enable superior drilling performance on every well. The steering ...

Greater efficiency and less downtime for onshore drilling The Precise(TM) automated drilling system gives you full control over your rig's functions from ...

6 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 ...

Discover how automation is transforming mineral exploration drilling rigs with enhanced efficiency, accuracy, and safety for cost-effective operations.

Computer-controlled drilling is slowly changing how the oil and gas industry discovers natural resources. Automated drilling can reduce the number of injuries to zero and ...

TAYMACHINERY's Automated Drilling Rigs are state-of-the-art systems designed to enhance precision, safety, and operational efficiency in drilling operations. These cutting-edge rigs ...

Halliburton LOGIX(TM) automation and remote operations, combined with Nabors' SmartROS rig operating system, form a unified platform that enables ...

In the current oil and gas drilling industry, the modernization of rig fleets has been shifting toward high mobility, artificial intelligence, and computerized systems. Part of this shift includes a ...

Durin started designing its first drilling rig earlier this year, and it's capable of boring a hole 300 meters deep and 2.5 inches wide.

Drilling automation may hold the key to efficiently performing intricate and high-speed tasks and thus make complex wells technically and economically feasible.

2024 Drilling Rigs & Automation Features Innovating While Drilling; Safety and ESG September/October Automation, robotics and ...

Automated drill rigs equipped with artificial intelligence AI algorithms and robotics minimize manual intervention, leading to increased precision and speed. Such systems adjust ...

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



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New Papers Show Automated, Autonomous Drilling Systems Headed in Right Direction New case studies highlight how artificial intelligence, advanced hardware, and ...

Halliburton LOGIX(TM) automation and remote operations, combined with Nabors' SmartROS ® rig operating system, form a unified platform that enables consistent, repeatable drilling ...

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