



Ai on drilling rigs

Well construction can benefit from available intelligent technologies, taking AI capabilities close to the action, where it encodes knowledge and captures ...

Conclusion AI will optimize and automate the drilling process to make it more efficient. The future of AI in drilling is the introduction of smart ...

In this chapter, we will delve into the applications of Artificial Intelligence (AI) in drilling and completion engineering within the oil and gas ...

Drilling rig risks can be drastically mitigated only by using new technologies. AI on drilling rigs: real-time detection and immersive insights. ...

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

Delivering Value To Customers Through Technology Innovative automation, AI, and smart algorithms are at your fingertips with our Alpha Technologies:

This paper details the successful deployment and ongoing success of an AI-based drilling advisory system on rigs across an Operator's fleet, as well as deployment decisions ...

Autonomous drilling denotes the integration of artificial intelligence to revolutionize drilling operations and enhance performance in areas traditionally reserved for ...

Maximize the safety on Offshore and Onshore Rig floor of oil and gas sites with red zone monitoring for drilling rigs (red zone management) enabled with AI, ...

Yet, amidst these challenges, there lies a flash of hope - Technology! With advancements in Artificial Intelligence (AI) and data analytics, drilling rigs are ...

AI in drilling rigs offers a transformative solution that significantly reduces the reliance on human monitoring, ushering in a new era of efficiency, safety, and ...

HOUSTON - February 26, 2025 - Halliburton (NYSE: HAL) and Sekal AS deployed the world's first automated on-bottom drilling system with the ...

The team achieved consistent performance improvement and drilling trajectory accuracy, which resulted in a



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remarkable 33% increase to the rate of ...

Offshore rigs face costly downtime, with unplanned failures costing \$38M annually. AI-powered maintenance can cut losses by preventing ...

The application of artificial intelligence (AI) has become inevitable in the petroleum industry. In drilling and completion engineering, AI is regarded as a transformative technology ...

This project aimed to identify and report occupational risks on an offshore drilling rig and save reporting and evaluation time by creating AI ...

Physics based and AI enhanced drilling insights simplify the cumbersome process of data analytics and empower drilling teams in making informed decisions ...

The Future of Maintenance: AI-Driven Self-Healing Rigs In an industry where operational efficiency is paramount, AI-powered operational ...

By Bruce Beaubouef, Managing Editor Artificial intelligence is increasingly being examined by the upstream oil and gas industry as a means ...

The Impact of AI and Machine Learning on Drilling Rig Performance Discover how AI and automation are transforming the drilling industry--boosting efficiency, ...

Future prospects for InWell.ai Looking ahead, InWell.ai aims to become the platform for testing remote-controlled operations, applying ...

Nabors and eDrilling are joining forces to enhance drilling performance, reliability and efficiency through the use of AI and rig automation.

Explore how AI and machine learning are revolutionizing drilling rig operations by enhancing efficiency, enabling predictive maintenance, improving safety, and ...

HOUSTON, TX --The oil and gas industry is undergoing a seismic shift as autonomous drilling rigs, artificial intelligence (AI), and smart ...

An intelligent drilling optimization application performs as an adaptive autodriller. In the Marcellus Shale, ROP improved 61% and 39% and drilling performance, measured as ...



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