



Electrically powered drilling rigs

The first fully electric well service rig. This is EPIC. Workover and completion rigs essentially operated the same way for decades with little innovation. Axis ...

Electrification enables easier integration of oil drilling rigs with renewable energy sources, such as solar or wind power. These sources can provide supplemental energy, ...

The LB 16 unplugged is the first battery-powered drilling rig in the world. With the electro-hydraulic version, Liebherr presents the deep foundation machine with alternative drive concept. The ...

New modular designs make it easier for mining companies to transition from diesel- powered to electric-powered rotary blast hole drills, helping the mining industry shift to a more sustainable ...

Hybrid drilling solutions utilize battery energy storage systems (BESS) to efficiently manage power generation asset utilization. The result is significantly lower operating costs.

To maximise efficiency, the system is fitted with four batteries so that all the main energy consumers are directly electrically powered during drilling, without loss of power to the ...

The eBG 33 is the first electric drilling rig manufactured by Bauer. The equipment relies on electrical power instead of a diesel engine. Bauer ...

An electrically powered drilling rig, such as for slim hole drilling, includes a drilling floor positioned over a drilling well, a set of pieces of drilling equipment operable for drilling the well, a first ...

BROOMFIELD, Colorado, Dec 20 (Reuters) - In a Denver suburb, an oil drilling rig plumbs the earth near a wealthy enclave framed by snow-capped ...

The power system on a drilling rig provides the power for the other main systems on the rig and other ancillary systems, such as electrical systems, pumps, etc. The system typically consists ...

Our service rigs have a wide range of applications and provide the best performance in different situations. Drillmec's mobile drilling rigs are self-propelled, and trailer mounted for easy ...

When it comes to drilling rigs, horsepower (hp) dictates performance capabilities and the scope of potential operations. In this article, we outline what are the different hp levels for drilling rigs, ...

Discover the latest innovations in drilling rig technology transforming the mining and construction industries.



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Learn about AI automation, eco-friendly designs, remote monitoring, ...

Drilling rig equipment has been driven by electric motors since the 1960s with power supplied from diesel engine driven generators. Rig technology has evolved since then, incorporating ...

Fortescue has signed a major contract with Epiroc for more than 50 electric drill rigs as part of the Company's efforts to eliminate emissions. Under the new deal, worth up to ...

Stockholm, Sweden: Epiroc, a leading productivity and sustainability partner for the mining and Infrastructure industries, has agreed with Swedish ...

This, together with our industry experience and expertise, enables us to deliver customer-focused drilling solutions that include the design, engineering and manufacture of fully customized ...

Axis Energy Services is finally changing that with the EPIC RIG(TM) (Electric-Powered Intervention & Completion Rig). It's the first fully electric well service ...

Drilling rigs can be designed with different drive modes: Electric drive (AC or DC), mechanical drive, or a combination of both (compound drive). In the following ...

The oil and gas industry consists of onshore and offshore drilling operations, which rely on drilling rig equipment to extract oil and natural gas ...

Complete unit of drilling machine includes main engine, tools, 40 meter drill rod, 2 units alloy drilling bit, 1 unit high pressure water pump, 4 meter high pressure ...

Electric Rigs H& P Rig 517 in Weld County, Colorado Chevron's goal is to invest in infrastructure whenever possible to power drilling rigs with ...

The article outlines development of an electric energy storage system for drilling based on electric-chemical generators. Description and generalization are given for the main ...

So it is required to improve the system safety and efficiency, the power stability, the efficiency of the generation through various analysis of ship's electric power system. In this paper, the ...

Low carbon, environmental protection and intellectualization are the only way for the construction of green oil field, and full-electric drilling equipment is the main direction of intelligent ...

XY-3B drilling rig is type of vertical shaft drill, which can be powered by diesel engine or electric motor. It is mainly used for diamond bit drilling and carbide ...



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Topic last reviewed: June 2023 ... Sectors: Upstream ... Introduction ... Energy, primarily power with some minor heat requirement, is critical to carrying out drilling activities. Energy demands ...

The power system on a drilling rig provides the power for the other main systems on the rig and other ancillary systems, such as electrical systems, pumps, etc. ...

Development With a focus on Dieseko Group's strategy of supplying zero-emission equipment and in consultation with users and market-leading parties, ...

Explore the precision and efficiency of the Sandvik DD422iE electric drill rig, a top-notch solution for development drill rigs in mining operations.

The article studies power operating modes of drilling rigs, provides general conclusions and detailed results for one of more than fifty pads.

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