



# Navigation Engineering Drilling Rig

What is navigational drilling?

Navigational Drilling (or Directional Drilling) is a specialized drilling application utilizing either down hole motors or wedging methods to make alterations to the direction of a diamond core drill hole.

What is a hole navigation system (HNS)?

Our intelligent Hole Navigation System (HNS) will lead the way to an outstanding rock excavation productivity and fragment control with the best possible drill rig navigation accuracy there is today.

What makes a good offshore rig positioning company?

1. Expertise and Experience: Skilled team with extensive offshore positioning experience. 2. Advanced Technology: Latest equipment and technology for accurate rig positioning. 3. Safety and Compliance: Adherence to safety and environmental standards. 4. Customized Solutions: Tailored services to meet specific project needs. 5.

How does a drilling system work?

The system guides the operator easily to the correct position of the chosen hole using satellite-based positioning Global Navigation Satellite Systems: GPS and GLONASS (both systems in use). Drilling to the correct depth is automatic since the system has the end coordinates of the hole bottom.

Why do you need a hole navigation system?

Planning ahead results in fewer surprises. Hole angles, depth and blasting direction are set in the drill plan which is transferred to the rig. The Hole Navigation System uses the information and helps you to drill parallel holes to the correct depth. This gives you uniform benches.

Why do rigs drill parallel holes to the correct depth?

In order to achieve well fragmented material, parallel holes to the correct depth are essential. The rig has all the information needed from the drill plan to stop drilling automatically when the correct hole depth is reached. This makes it easy for the operator to drill parallel holes to the correct depth.

The engineering drilling rig is a new type of shallow hole drilling rig suitable for engineering geological exploration and core drilling. It has the characteristics of large power, high speed ...

An offshore drilling engineer oversees oil and gas drilling operations on a rig or other similar facility. In this role, you are involved in all stages of production, from creating the early ...

The most recognizable icon of the oil and gas industry is a derrick towering high over the wellsite. The drilling rig represents the culmination of an intensive ...



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We are a big manufacturer of kinds of water well drilling rigs, geological exploration drilling rigs, mining drilling rigs and engineering drilling rigs in C...

Explore Swick's innovative engineering solutions for tomorrow's challenges. Trust in our reliable and versatile Gen II rig for your underground operations.

Welcome to the offshore oil and gas industry, a complex and high-stakes sector that blends engineering, energy, and maritime logistics. From towering rigs to specialized ...

The NovaCompass MEMS gyrocompass provides drift-free azimuth measurements for precise rig alignment in mining and drilling operations with advanced dead-reckoning capabilities.

The high-torque rotator (up to 2340kgm or 16850 ft.lb torque) make it suitable for micropile and DTH drilling application. With the optional feature, &quot;side swing device&quot;, the rig will have some ...

Rig engineering service Design, inspection, feasibility studies, and more T& T Engineering Services, Inc., a Schlumberger company, was founded in 1999 ...

A drilling engineer works for petrochemical companies, planning and managing oil-rig drilling operations. They design, handle and conduct maintenance on different drilling ...

9.1: Introduction 9.2: Major Systems on a Drilling Rig 9.2.1: The Power System 9.2.2: The Hoisting System 9.2.3: The Circulation System 9.2.4: The Rotary System 9.2.5: The Well Control ...

This document is a textbook on drilling engineering that covers topics such as rotary drilling rig components and systems, geomechanics, drilling hydraulics, drill bits, and drillstring design. It ...

Explore the different types of drilling rigs from the oil and gas industry and understand how each one is built for specific depths, locations, ...

So whether you're an engineer, investor, or simply curious about the energy landscape, keep reading for a deeper understanding of types of ...

Understanding the equipment and tools used in drilling rigs is essential for petroleum engineers and drilling engineers alike. These ...

As a leading rig equipment OEM and service partner, they offer comprehensive drilling rig solutions, aftermarket service support, and facilities engineering. ...

In the tricky panorama of electrical energy exploration, drilling oil rig serve as the backbone of present day extraction operations. These ...



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Geotechnical Drilling Capabilities Tierra owns and operates one of the largest and modern geotechnical drilling operations in the State of Florida. Tierra's drilling ...

Drilling Petroleum Drilling Engineering: Is the application of science and technology to drill Oil Wells, which are holes in the earth, made for the purpose of extracting oil and gas from ...

Offshore drilling is one of the most complex and technologically demanding operations in the oil and gas industry. It involves exploring and extracting ...

Moveable offshore drilling platforms/rigs There are two types of offshore drilling rigs/platforms. The first type is moveable offshore drilling rigs that can be moved from one place to another ...

The drilling rig performs a central function in oil operations, serving as the mechanical spine of each and every profitable exploration and ...

While there are different types of drilling rigs, these rigs obviously share many similarities since the tasks that they perform are identical. In particular, all ...

This chapter covers the basics of rotary drilling technology, recent progress of drilling engineering, characteristics of various offshore drilling rigs, and types of offshore production systems. The ...

We combine wide knowledge of the quarrying and mining process with smart equipment and software. Our intelligent Hole Navigation System (HNS) will lead the way to an outstanding ...

A drillship is a self-propelled, floating vessel equipped with a drilling rig and associated machinery designed for offshore oil and gas exploration and ...

We have the expertise to deliver the turn-key projects and/or the engineering services you desire. Jelec delivers, whether it is comprehensive engineering solutions for a new drilling facility, ...

Our tour included a look at the services Nabors provides to support rig operation remotely, new software solutions Nabors is engineering to ...

What does engineer do in the rig? Applying technology and innovation in directional drilling, mud systems, casing and drill string design, and completions. Supervising drilling, completion and ...

Rig Positioning We have decades of experience in positioning jackups, anchor rigs, dynamically positioned (DP) rigs, submersibles, and semisubmersibles. We also provide route planning ...



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Web: <https://staskowachata.pl>