



Your rig
Our drilling simulator

DILTEC
SOLUTIONS

Unique functionality

Our full sized hiDRILL simulator delivers unique functionality for drilling training. Offering fully equipped cyber chairs, emulated control systems and a full topside and downhole solution, hiDRILL can be delivered with different high-quality visual systems, based upon your requirements. It is an innovative and realistic dynamic drilling simulator. With full visualization in real time, it reacts to the crews input as it is offshore. Thanks to its flexible and modular structure, you can use the generic topside model alone, add a generic downhole model, or make a specific downhole and topside models. These three possibilities allows you to purchase the exact simulator you need, according to your challenges. The hiDRILL simulator with downhole corresponds to hiDRILL wellSIM.

Drilling cost saving

By purchasing a hiDRILL simulator, you can emulate your rig facilities and your specific wells upon request. This customization enables you to train your crews and support teams in a safe environment prior going on the rig. They can test both your procedures and the third party systems, and familiarize themselves with your installations and control systems. They can also drill their own well in the simulator. It reduces significantly the number of "On-the-Job Training" days required, decreases the reliance on "On-the-Rig Mentors" and improves substantially operational safety and efficiency. Your people will be more confident and experienced. They will be able to drill safer, quicker and to save drilling time and rig rental, which

Some clients using hiDRILL

- ExxonMobil, USA
- BP, UK
- National Oilwell, USA
- Maersk Oil&Gas, Singapore
- Awilco Drilling, Norway
- National Oilwell Varco
- COSL, Norway

creates an immediate sizable added value for you.

Generic topside simulator

Without the downhole model only few downhole parameters are simulated. A simple model of the drill string and annulus is included, to allow for standpipe pressure generation as well as features such as flow returns and volumes. Without the downhole functionality, the primary objective of the hiDRILL simulator is to train the operators in working with the drilling control system, handling the machinery and effective procedures of operation. This is valuable to rig owners and drilling contractors for commissioning and equipment training for new-builds.

Generic topside and downhole simulator

This simulator combines topside drilling machinery training as well as downhole problematic scenarios and challenges. All drilling and tripping related parameters are simulated in the downhole model, and then sent to the

control system of the simulator, which uses these results internally and relays the necessary information to the control chairs.

Rig specific simulator

It combines customized specific rig topside and downhole models, which allow you to drill in your own well and simulate your topside.

Since 1996 with ConocoPhillips, OILTEC Solutions has delivered a great number of rig specific drilling simulators to the leading oil and gas companies and contractors around the globe, enabling our customers to secure a competent and skilled rig crew ahead of commissioning and drilling operations. The efficiency and safety value of rig specific drilling simulator training has been embraced by our customers and government authorities.

About OILTEC Solutions

OILTEC Solutions is an experienced global market leader providing simulation technologies to the Oil & Gas and Crane industries.

For more than two decades OILTEC Solutions has delivered high quality software, turn-key simulators, top-end training -to thousands of students- and 3D simulation studies to leading oil & gas, marine and port customers around the globe.

