

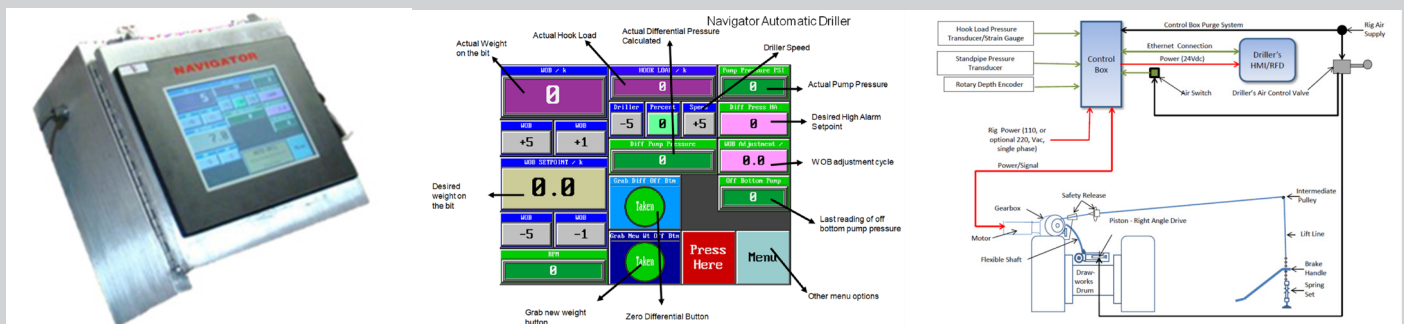
Navigator Digital Performance Automatic Driller (AutoDriller) From Manual Drilling to Intelligent Performance Drilling

JIACH Energy Solutions Private Limited, in partnership with Auto-Drill Inc, USA and Lynx Drilling Tools, UK brings the advanced Navigator Digital Performance Automatic Driller (AutoDriller) to the oil & gas industry.

Originally launched in 2003, the Navigator system revolutionized drilling by automating the driller's brake control using patented algorithms and real-time data.

Navigator Digital Performance Automatic Driller is a multicomponent system that measure three parameters and uses patented technology to automate the control of the drillers brake handle.

It offers machine consistent control of the drilling operation through Multiple custom drilling modes – Weight on bit, Differential Drilling, ROP Drilling & Time Drilling



Key Capabilities

- **Multi-Mode Drilling Automation**
Weight on Bit | Differential Pressure | ROP | Time Drilling
- **Machine-Consistent Control**
Ensures smooth drilling in both vertical & horizontal wells
- **Faster, Smarter Decisions**
High-speed sampling enables near-instant optimization
- **Improved Performance**
Up to 10% reduction in drilling time

Feature

Simple Installation

- Retrofits to existing drawworks in < 8 hours
- Works independently of any EDR system

Simple Operation

- Touchscreen interface for real-time parameter adjustments

Advanced Control Algorithms

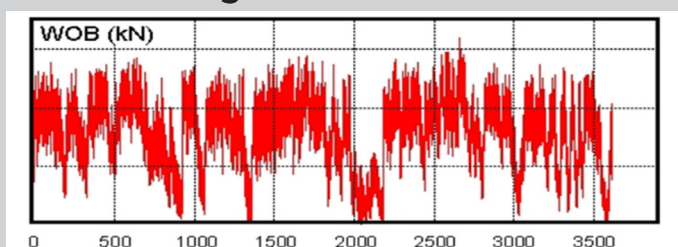
- Patented & licensed technology
- Among the most versatile systems in its class

Proven Global Track Record

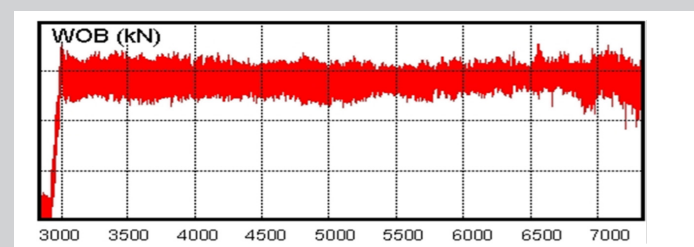
- Deployed on **13,000+** wells
- Used by **180+** companies worldwide
- Trusted by major operators like **ONGC, Cairn Energy, Chevron, ExxonMobil, BP, ConocoPhillips**
- Adopted by leading drilling contractors and service companies including **Weatherford**

Successfully deployed across **India, USA, Brazil, Colombia, Middle East, and North Africa**

Manual Drilling



JES AutoDriller



Data recorded on the Maxwell Downhole Technology, I Sub**

The Result

Safer Operations | Higher Efficiency | Reduced NPT | Optimized Drilling Performance

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