ROTARY STEERABLE PLATFORM

PERFORMANCE | PRECISION | CONTROL

OMNI●STEER

D-TECH
ROTARY STEERABLE

AN SBO COMPANY

dtechdrilling.com

The D-Tech OmniSteer™ platform represents a decade of continuous innovation, engineering expertise, and proven field performance.

It delivers the reliability, serviceability, and digital intelligence required to meet today's directional drilling challenges efficiently and cost-effectively.

Where Digital Meets Physical

The OmniSteer platform is engineered as a unified digital + physical system, bridging cutting-edge software with a robust mechanical foundation. Every design choice reflects D-Tech's long-term philosophy: continuous improvement with sustained engineering upgrades that enhance reliability, performance, and ease of use.

Digital Edge – Turning Data into Decisions

- **AI & Analytics:** Real-time data and predictive modeling for smarter steering control and formation response.

- **OmniConnect™ Surface Software:** A single platform that handles calibration, tool setup, diagnostics, and automatic updates, ensuring every tool runs the latest firmware and features to the highest levels of performance.

- **Intelligent Firmware:** Advanced steering algorithms provide toolface efficiency and stick-slip detection, allowing proactive mitigation based on live downhole data.

- **Closed-Loop Nudge Functionality:** Enables micro-adjustments without lengthy downlinks, significantly enhancing trajectory precision.

- **Downlink Mapping & Feedback:** Reduces downlink time by up to 60%, improving responsiveness and drilling efficiency while assessing steering efficiency in real time.

- **Cross-Platform Compatibility:** Seamlessly integrates with third-party real-time telemetry and MWD systems.

- **Near-Bit Azi Gamma** capability.

- **165°C Rating** for harsh environments.

- **Drilling Dynamics Module** to mitigate downhole dysfunction faster and ensure smooth, efficient drilling.

AI-Driven Control

60% Faster Downlinks

90% improvement in Steering Accuracy

Physical Strength
Built For the World's Toughest Wells

Engineered for Reliability and Serviceability

OmniSteer isn't just smart, it's strong. Every mechanical component has been optimized for performance, durability, and simplicity of service.

Hardware Highlights:

- Configurable for Every Application: From high-dogleg, geothermal, and high-temperature wells (rated to 165°C).
- Streamlined Architecture: Fewer parts mean faster assembly, lower service costs, and higher reliability.
- Rugged Steering Body: Improved flow channels, enhanced hydraulics, and upgraded generator/motor assemblies for smoother steering response.

- Wear-Resistant Components: New piston and sleeve designs with high-strength alloys extend life hours and withstand abrasive conditions.
- Enhanced RPM Filtering: Provides better downhole stability and data accuracy, even in challenging mud systems.
- Serviceability & Customization: Components are engineered to provide extended intervals and longer service life, reducing R&M costs without compromising performance.

PRECISION MACHINED

OMNI STEER

FIELD PROVEN

OMNI STEER

OmniSteer represents the next evolution in rotary steerable technology, combining all-seeing digital insight with rugged mechanical performance.

Serviceability: Simplified maintenance, faster turnaround, and lower lifecycle cost.

Performance: Faster wells, smoother boreholes, and reduced cost-per-foot.

Reliability: Proven performance across multiple basins and environments.

Digital Integration: Real-time data and AI-driven analytics enable better decision-making and consistent directional accuracy.

OmniSteer positions D-Tech not just as a tool provider, but as a technology enabler, expanding market reach and improving overall performance.

With OmniSteer, you don't just drill better, you drill with clarity.

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