

Measurement While Drilling Industry Report: Competitive Landscape and Future Prospects

*The Business Research Company's
Measurement While Drilling Global
Market Report 2025 – Market Size,
Trends, And Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, October 1, 2025

/EINPresswire.com/ -- What Is The
Projected Market Size & [Growth Rate](#)
[Of The Measurement While Drilling Market?](#)

The market size for measurement while drilling has seen robust growth in the past years. The market, valued at \$3.53 billion in 2024, is projected to reach \$3.84 billion in 2025, representing a compound annual growth rate (CAGR) of 8.7%. The growth in this historical period has been



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fuelled by factors such as increased demand for real-time data from downhole, the heightened necessity for more accurate drilling, a growing emphasis on safety and risk reduction, escalating requirements for operational efficiency, and an upturn in offshore exploration activities.

The market size of measurement-while-drilling is projected to experience substantial growth in the upcoming years, escalating to \$5.29 billion by 2029 with a Compound Annual Growth Rate (CAGR) of 8.3%. This anticipated

growth within the forecast period can be linked to a heightened focus on digital oilfield alternatives, increased investments in unconventional resources, an amplified focus on environmental sustainability, escalating offshore deepwater exploration projects, and a rising demand for cost-effective drilling ventures. The forecast period is also expected to witness major shifts such as enhancements in the acquisition of real-time data, the creation of high-temperature and high-pressure measurement instruments, breakthroughs in the amalgamation of artificial intelligence and machine learning, advances in environmentally-friendly drilling technologies, and the inception of robust fiber-optic gyroscopes to improve directional accuracy.

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What Is The Crucial Factor Driving The [Global Measurement While Drilling Market?](#)

The anticipated rise in oil and gas exploration endeavors is predicted to spur the expansion of the measurement while drilling market. Exploration activities in oil and gas involve processes and operations meant to uncover and evaluate potential subterranean or subaqueous hydrocarbon reserves for future extraction. The expansion of these activities is propelled by the surge in energy demand, which is triggered by burgeoning populations and industrialization that necessitate a greater fuel supply to bolster economic progress and meet daily consumption demands. Measurement while drilling augments oil and gas exploration efforts by supplying real-time data regarding subsurface conditions, facilitating precise well positioning, reducing drilling hazard, and maximizing hydrocarbon retrieval. For instance, in September 2023, GOV.UK, a UK-based governmental website offering government services and data, revealed that total governmental earnings from UK oil and gas production reached \$9.90 billion (£9 billion) in 2022-2023 fiscal year, a significant rise from \$1.54 billion (£1.4 billion) in 2021-2022, denoting an escalation of \$8.36 billion (£7.6 billion). Hence, the augmented oil and gas exploration operations are contributing to the expansion of the measurement while drilling market.

Who Are The Emerging Players In The Measurement While Drilling Market?

Major players in the Measurement While Drilling Global Market Report 2025 include:

- General Electric Company
- Schlumberger Limited
- Baker Hughes Company
- Halliburton Company
- National Oilwell Varco Inc.
- Weatherford International plc
- Helmerich And Payne Inc.
- Nabors Industries Ltd.
- Hunting PLC
- KLX Energy Services Inc.

What Are The Key Trends And Market Opportunities In The Measurement While Drilling Sector?

Leading firms in the measurement while drilling (MWD) market are concentrating on the progression of pioneering solutions like wireless real-time communication systems to aid in the swift and precise transmission of subsurface data during drilling activities. These wireless real-time communication systems provide instantaneous data transfer from downhole drilling tools to the surface, sans any physical cables, thereby facilitating direct monitoring and decision-making processes. For example, Enteq Technologies Plc, a reputed energy services engineering and technology firm based in the UK, unveiled the XXT-Hop series in September 2022. This series is a real-time communication system specially designed for rotary steerable systems (RSS) and measurement while drilling (MWD) operations. The series eradicates the necessity for rigid

connectors and specific collar lengths, thus allowing logging while drilling (LWD) to function beneath the MWD equipment, thereby prolonging tool lifespan and boosting operational efficiency. The system uses drop-in elements, placing a transmitter above the RSS and incorporating a receiver into the MWD string, thereby simplifying real-time data transmission to the surface. It offers modular solutions for wireless MWD or LWD communications, real-time RSS data, and verification of control commands, thereby enhancing the precision of drilling and bolstering operational certainty.

What Segments Are Covered In The Measurement While Drilling Market Report?

The measurement while drilling market covered in this report is segmented

- 1) By Component: Downhole Tools, Surface Equipment, Data Analysis Software, Power Supply Systems, Sensors And Transmitters
- 2) By Based On Technology: Electromagnetic Measurement While Drilling Systems, Single-Phase Measurement While Drilling Systems, Two-Phase Measurement While Drilling Systems, Multi-Phase Measurement While Drilling Systems, Software-Enhanced Measurement While Drilling Solutions
- 3) By Well Type Outlook: Directional, Horizontal, Vertical
- 4) By Application: Onshore, Offshore
- 5) By End User: Oil And Gas Companies, Mining Corporations, Utility Companies, Government And Regulatory Bodies, Research Institutions

Subsegments:

- 1) By Downhole Tools: Drill Collars, Stabilizers, Reamers, Shock Absorbers, Rotary Steerable Systems
- 2) By Surface Equipment: Mud Pumps, Mud Tanks, Control Units, Top Drives, Blowout Preventers
- 3) By Data Analysis Software: Real Time Data Processing Software, Modeling And Simulation Software, Data Visualization Tools, Predictive Analytics Software
- 4) By Power Supply Systems: Battery Packs, Turbine Generators, Alternators, Fuel Cells, Hybrid Power Units
- 5) By Sensors And Transmitters: Pressure Sensors, Temperature Sensors, Gamma Ray Sensors, Resistivity Sensors, Acoustic Sensors

View the full measurement while drilling market report:

<https://www.thebusinessresearchcompany.com/report/measurement-while-drilling-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Measurement While Drilling Market?

In the 2025 Measurement While Drilling Global Market Report, North America emerged as the dominant region for 2024. Asia-Pacific, on the other hand, is projected to have the highest growth rate in the coming period. The report encompasses several regions, including Asia-Pacific,

Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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