

Managed Pressure Drilling Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Technology (Constant Bottom Hole Pressure, Mud Cap Drilling, Dual Gradient Drilling, and Return Flow Control Drilling), Application (Onshore and Offshore), and Geography

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Abstracts

The managed pressure drilling market is projected to reach US\$ 7.22 billion by 2031 from US\$ 4.85 billion in 2023; the market is expected to register a CAGR of 5.1% during 2023–2031.

Continuous developments in managed pressure drilling solutions and a rise in investments in the oil and gas sector are expected to offer substantial opportunities for the market players over the forecast period. In January 2024, Nabors Industries Ltd and SLB announced a collaboration to boost the adoption of automated drilling solutions among oil and gas operators and drilling contractors. This strategic initiative is anticipated to enable customers to seamlessly integrate the drilling automation applications and rig operating systems to deliver enhanced well construction efficiency and performance.

The market is segmented into Technology and Application. The technology segment is further classified into Constant Bottom Hole Pressure (CBHP), Mud Cap Drilling (MCD), Dual Gradient Drilling (DGD), and Return Flow Control Drilling (RFCD). The application segment of the managed pressure drilling market is sub-segmented into onshore and offshore.

A few of the key companies operating in the managed pressure drilling market are Ensign Energy Services, ADS Services LLC, Archer, Blade Energy Partners, Nabors Industries Ltd, Air Drilling Associates Inc, Halliburton Co, SLB Weatherford International Plc, and NOV Inc. Several other companies are also functioning in the market and are contributing substantial revenues toward its growth. A few of the latest developments by key players operating in the managed pressure drilling market are mentioned below:

In July 2024, Archer successfully agreed with Air Drilling Associates, Inc. to acquire their Managed Pressure Drilling (MPD) subsidiary, ADA Argentina (ADA). With this acquisition, Archer strengthened its position in the managed pressure drilling market.

In February 2023, Nabors Industries Ltd and Corva announced a partnership to offer a first-of-its-kind digital and automation offering to the global drilling industry to deliver solutions that rapidly scale process and machine automation, enhance remote project oversight, and streamline data exchange and collaboration across any AC rig fleet.

In July 2021, Constellation Drillship received a contract from Petrobras-offshore Brazil for drilling services. The Constellation Drillship offers integrated services that include the deployment of managed pressure drilling systems.

In April 2021, National Energy Services Reunited Corp. (NESR) partnered with Beyond Energy to provide and deploy managed pressure drilling services in Asia and the Middle East & Africa.

The managed pressure drilling process involves controlling the annular pressure levels throughout the wellbore. The process is cost-effective and timesaving and offers improved safety in drilling operations. This process enables drilling complex extended-reach deep-gas deep-water wells. Thus, the rising onshore and offshore activities fuel the demand for pressure drilling equipment and services, which drives the managed pressure drilling market

The MEA is projected to record a rapid rise in urbanization, which fuels the growth of the regional economy. Gulf countries are economically advanced, while African

countries have yet to match their economic status. The boost in per capita income, recovering economic conditions, and government spending on infrastructure development are among the factors contributing to the demand for managed pressure drilling operations.

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