

Offshore Decommissioning Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Offshore Decommissioning Market was valued at over USD 10.5 billion in 2024 and is estimated to grow at a CAGR of 6.5% to reach USD 19.7 billion by 2034.

Market growth is shaped by a combination of regulatory, environmental, economic, and technological factors. Aging offshore oil and gas infrastructure, including platforms, pipelines, subsea wells, and related facilities, is driving the need for safe and efficient decommissioning. Governments and international bodies enforce stringent regulations to ensure compliance with safety, environmental, and operational standards, making regulatory adherence a critical market driver. Rising environmental awareness and concerns about marine biodiversity are increasing pressure for responsible decommissioning practices to minimize pollution, habitat disruption, and other ecological risks. Economic considerations such as the age of infrastructure, crude oil prices, and government policies also influence market dynamics. Companies are increasingly seeking cost-effective solutions that balance regulatory requirements with operational efficiency, fueling the adoption of innovative decommissioning services and technologies worldwide.

The well plugging and abandonment segment held a 34.2% share in 2024 and is expected to grow at a CAGR of 7% through 2034. Well plugging and abandonment remains a vital part of offshore decommissioning, driven by regulatory mandates requiring the safe closure of wells at the end of their productive life to prevent environmental hazards and ensure operational safety.

The topside decommissioning segment held a 48.6% share in 2024 and is projected to grow at a CAGR of 7.1% between 2025 and 2034. The removal of surface-level

structures such as processing units, living quarters, and cranes is necessary as offshore platforms reach the end of their operational life. Regulatory compliance, aging infrastructure, and safety concerns collectively drive demand for topside dismantling services across the globe.

Asia Pacific Offshore Decommissioning Market will grow at a 6% CAGR through 2034. Strong offshore operations, aging assets, evolving regulations, and heightened environmental awareness in countries such as Malaysia, Thailand, Indonesia, and Australia are encouraging proactive decommissioning initiatives. Many offshore facilities nearing the end of their operational life are pushing operators and governments to address decommissioning more systematically.

Major companies in the Global Offshore Decommissioning Market include Aker Solutions ASA, Allseas Group SA, AF Gruppen Norge AS, Able UK Ltd, Baker Hughes, Boskalis, DeepOcean Group Holding BV, DNV Group AS, Halliburton, Heerema International Group, John Wood Group PLC, Oceaneering International Inc, Perenco, Petrofac Ltd., Ramboll Group AS, Saipem S.p.A., Subsea 7 SA, TechnipFMC plc, Weatherford International Plc, and Well-Safe Solutions. To strengthen their presence, leading offshore decommissioning companies focus on developing innovative technologies for safe and cost-effective dismantling of subsea and topside assets. Firms are forming strategic alliances with operators and regulators to secure long-term contracts and improve service reliability. R&D investments are driving advanced project planning, risk management, and environmentally sustainable techniques.

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