

Oil and Gas Infrastructure Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

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Abstracts

The Global Oil And Gas Infrastructure Market reached USD 761.1 billion in 2024 and is projected to grow at a CAGR of 6.8% from 2025 to 2034. The increasing demand for oil and gas, especially in emerging economies, combined with surging investments in large-scale infrastructure projects, is set to drive industry expansion. With the energy sector undergoing rapid transformation, nations are allocating significant resources to strengthen their infrastructure and enhance operational efficiency. Rising energy consumption, coupled with advancements in technology, is accelerating the development of efficient transportation, storage, and processing facilities.

The industry is classified into several segments, including surface and lease equipment, gathering and processing, pipelines, storage, refining and transportation, and export terminals. Surface and lease equipment is expected to grow at a CAGR of 6.5% by 2034, driven by the expansion of exploration and production activities. The rising implementation of unconventional drilling techniques, such as tight gas and shale gas extraction, is further fueling demand for advanced equipment to support operations. As energy producers seek to enhance efficiency and optimize production, investment in surface infrastructure remains critical.

The oil & gas storage sector held a 3.5% share in 2024, with demand increasing due to a shift toward a natural gas-based economy and expanding global trade. The growing need for large-scale storage solutions stems from heightened petrochemical and refinery activities, where significant capacities are required to accommodate crude oil, feedstocks, and refined petroleum products, including jet fuel, diesel, and gasoline. The push for supply flexibility and enhanced storage infrastructure is reinforcing market growth, ensuring a stable energy supply to meet fluctuating demand.

United States oil & gas infrastructure market was valued at USD 80.4 billion in 2024, with projections expected to generate USD 150 billion by 2034. Strategic investments in energy infrastructure are reinforcing national energy security, minimizing supply chain vulnerabilities, and ensuring uninterrupted fuel distribution. The country is focusing on modernizing and expanding liquefaction plants and refining terminals, accelerating industry adoption of cutting-edge technologies. Increased capital expenditure in pipeline networks, storage expansions, and advanced refining facilities is fostering sectoral growth, allowing the US to maintain its position as a dominant player in the oil and gas infrastructure landscape.

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