

Oil and Gas Pipes Market Set to Hit US\$111 Billion by 2032, Insights from Persistence Market Research

Rising energy demand is boosting the need for oil and gas pipes, especially in developing regions undergoing industrialization and urbanization.

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/EINPresswire.com/ -- The global [oil and gas pipes market](#) is witnessing robust growth, fueled by the rising demand for energy and the need for enhanced infrastructure to efficiently transport oil and gas. Valued at around

USD 68.2 billion in 2025, the market is expected to reach USD 111.0 billion by 2032, growing at a CAGR of 7.2% over the forecast period. This growth reflects the ongoing investments in pipeline construction and upgrades, driven by evolving energy consumption patterns and expanding production capacities.

The midstream segment is leading the market due to its critical role in transporting and storing hydrocarbons between production and distribution points. Asia-Pacific is emerging as the dominant region, driven by large-scale infrastructure projects and rapid industrialization in countries like China and India, where energy demand continues to surge.

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Key Highlights from the Report

- Market Size: Expected to grow from USD 68.2 billion in 2025 to USD 111.0 billion by 2032.
- CAGR: Projected at 7.2% during the forecast period.
- Leading Segment: Midstream segment holds the largest market share.
- Dominant Region: Asia-Pacific leads due to industrial growth and energy demand.
- Material Preference: Stainless steel pipes dominate because of their strength and corrosion

Persistence
Market Research

Market Study On

**Oil and Gas Pipes
Market**

Contact Us:

✉ sales@persistencemarketresearch.com

☎ +1646-878-6329

Oil and Gas Pipes Market



resistance.

- Technological Advancements: Smart monitoring systems are improving pipeline safety and efficiency.

Market Segmentation

Market Segmentation by Product Type

The oil and gas pipes market is categorized based on product type, primarily crude oil and natural gas. Crude oil pipelines are extensively used for transporting petroleum from extraction sites to refineries, while natural gas pipelines are designed to transport gas safely and efficiently over long distances. The increasing demand for both crude oil and natural gas is driving the adoption of durable and high-performance piping solutions across the globe.

Market Segmentation by Application

Based on application, the market is divided into onshore and offshore pipelines. Onshore pipelines dominate due to their relative ease of installation, lower costs, and simpler maintenance. Offshore pipelines, on the other hand, are growing in prominence with the expansion of offshore oil and gas exploration projects, particularly in regions with significant underwater reserves.

Market Segmentation by Stream Type

The market is also segmented by stream type, including upstream, midstream, and downstream sectors. Upstream pipelines are involved in the exploration and production phase, transporting raw materials from extraction sites. Midstream pipelines focus on transportation, storage, and distribution of crude oil and natural gas. Downstream pipelines serve the refining, processing, and distribution of finished products to end-users, completing the supply chain efficiently.

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Regional Insights

Asia-Pacific is expected to grow at the fastest pace, driven by expanding industrialization and government investments in pipeline infrastructure. Large-scale projects in China, India, and Southeast Asia are a key factor behind this growth.

North America continues to see steady growth, supported by increased natural gas production and a need for infrastructure upgrades.

Europe is focusing on modernizing pipelines to comply with environmental regulations, while the

Middle East and Africa are investing in new pipeline projects to enhance oil and gas exports.

Market Drivers

The oil and gas pipes market is being propelled by rising global energy demand, which necessitates infrastructure expansion. Technological advancements in materials and pipeline monitoring systems are improving operational efficiency and safety, making pipelines more reliable. Furthermore, supportive government initiatives and policies promoting energy security are encouraging investments in new projects, accelerating market growth.

Market Restraints

Despite the growth prospects, the market faces some challenges. High capital investment requirements for pipeline construction can limit new projects. Environmental concerns, including potential pipeline leaks and compliance with strict regulations, add complexity and cost. Additionally, geopolitical instability in certain regions can disrupt pipeline projects and delay implementation timelines.

Market Opportunities

The evolving energy landscape presents multiple opportunities for market players. Integration of renewable energy sources into existing pipeline infrastructure can drive sustainability. The adoption of smart pipeline technologies offers better monitoring and operational efficiency. Additionally, emerging markets present untapped potential for developing new pipeline networks to support growing energy needs.

Company Insights

Key players operating in the oil and gas pipes market include:

- Tenaris
- JFE Steel Corporation
- TMK Group
- Nippon Steel Corporation
- United States Steel Corporation

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Recent Developments:

Companies are investing in smart pipeline technologies to enhance efficiency and safety.

Strategic collaborations between oil and gas companies and pipeline manufacturers are

increasing to meet growing infrastructure demands.

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Ship To Shore Sts Container Cranes Market: The global [ship-to-shore \(STS\) container cranes market](#) is expected to grow at a CAGR of 4.4%, rising from US\$ 2.9 billion in 2024 to US\$ 3.9 billion by 2031.

[Electrodynamic Shaker Systems Market](#): The electrodynamic shaker systems market is expected to grow from US\$ 1.2 billion in 2024 to US\$ 1.9 billion by 2031, at a CAGR of 6.6%.

Ganesh Dukare

Persistence Market Research

+1 646-878-6329

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