Pipeline Construction Market Expected to Reach $73.1 Billion & Growing at a CAGR of 4.8% from 2022 to 2030

market is set to witness substantial growth over the next decade, driven by increasing energy demand, infrastructure development, technological advancements.

WASHINGTON, DE, UNITED STATES, February 5, 2025 /EINPresswire.com/ -- □□□□□□□: □□□□□□□, □□□□□□□, □□□ □□□□□□□ □□□□□□□□□□

> Through precision, innovation, and resilience, the construction and manufacturing industries build the frameworks and tools that shape our modern world”
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> *AMR*

Introduction

The global □□□□□□□□□ □□□□□□□□□□□□□□ □□□□□□□ has witnessed significant growth over the past decade, driven by factors such as environmental benefits and the increased use of natural gas. Several key players are expanding their businesses globally to cater to an increasing customer base, improve operational efficiency, and enhance their product portfolios. This trend is anticipated to fuel further growth in the pipeline construction market.

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According to a report by Allied Market Research titled "Pipeline Construction Market," the market size was valued at $45.7 billion in 2021 and is projected to reach $73.1 billion by 2031, growing at a compound annual growth rate (CAGR) of 4.8% from 2022 to 2031. Pipeline construction involves the installation of pipelines that transport materials such as crude oil, natural gas, water, and chemicals over long distances. These pipelines connect production sites, refineries, and distribution centers, ensuring efficient material transportation.

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Rising Demand for Safe and Cost-Effective Transportation

The increasing need for safe, efficient, and cost-effective transportation of hazardous chemicals and petroleum products is a major driver of the pipeline construction market. Pipelines are a safer alternative to traditional transportation methods such as road and rail, reducing the risk of spills and accidents.

Environmental Awareness and Sustainability

The growing awareness of the environmental impact of conventional fossil fuel and chemical transportation methods has led to a greater emphasis on pipeline infrastructure. Pipelines help reduce greenhouse gas emissions compared to truck and rail transport, supporting global sustainability initiatives.

Government Investments in Infrastructure

Governments worldwide are investing in wastewater treatment plants to recycle and reuse water, thereby reducing pollution. These initiatives drive demand for water pipeline construction. Additionally, advancements in data management, information and communication technology, and security solutions are enhancing pipeline transportation resilience against cyber threats and sabotage.

Population Growth and Rising Demand

Population growth is fueling the demand for essential products such as water, milk, and petroleum-based fuels like diesel and gasoline. This increasing demand is expected to create significant opportunities for the pipeline construction market in the coming years.

Impact of COVID-19 on the Market

The COVID-19 pandemic negatively affected the global pipeline construction market. The shutdown of manufacturing industries led to decreased demand for pipelines, particularly in the energy, automotive, and construction sectors. Lockdowns and disruptions in supply chains further hindered pipeline construction activities. However, the market is expected to recover gradually as industrial activities resume and energy demand rebounds.

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The global pipeline construction market is segmented based on pipe type, application, end-user industry, and region.

By Pipe Type:

Metallic: The dominant segment in 2021, driven by its extensive use in transporting oil, gas, and chemicals.

Non-Metallic: Used in applications requiring corrosion resistance, such as water pipelines.

By Application:

Liquid Pipelines

Gas Pipelines (the largest segment in 2021 due to increasing natural gas consumption)

By End-User Industry:

Oil & Gas (the largest market segment)

Water and Wastewater (expected to witness the highest growth rate)

Chemical

Energy

Others

By Region:

North America

Europe

Asia-Pacific (the dominant region in 2021, expected to maintain its lead due to extensive infrastructure investments)

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Key players in the global pipeline construction market are continuously innovating and expanding their market presence. Some major companies include:

Metal Forge India

Dee Piping System

Siemens AG

Promega Corporation

Hexagon AB

Thomas Swan

These companies focus on product development, strategic partnerships, and expansion initiatives to strengthen their market position.

For instance, in March 2020, India announced a $1.3 billion investment in pharmaceutical infrastructure, indirectly driving demand for pipeline construction. Similarly, China increased its crude oil exploration investment by 6.3% from 2020 to 2021 to boost domestic production by 50% over five years. Companies such as Metal Forge India are supplying stainless steel and carbon steel pipes for various industrial applications.

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Increasing Investments in Energy Infrastructure

Asia-Pacific is expected to invest $1.5 trillion in the power sector by 2030, boosting demand for pipeline infrastructure. Countries in this region are focusing on expanding their chemical and power plant industries, driving further market growth.

Technological Advancements

The integration of automation, digital monitoring systems, and smart pipeline technology is revolutionizing pipeline construction. These advancements improve efficiency, enhance safety, and reduce maintenance costs.

Sustainable and Eco-Friendly Practices

Governments and industries are prioritizing sustainable solutions to minimize the environmental impact of pipeline projects. The adoption of recyclable materials and energy-efficient designs is expected to contribute to long-term market growth.

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Metallic Pipes dominated the market in terms of revenue in 2021.

Gas Pipelines held the largest market share by application.

Water and Wastewater is projected to be the fastest-growing segment.

Asia-Pacific is expected to maintain its dominance due to strong industrial investments.

The market is recovering from COVID-19 disruptions and is poised for steady growth.

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