

Pipeline Construction Market Growing at a CAGR of 4.8% and is estimated to reach \$73.1 billion by 2031

Increasing demand for efficient resource transportation, advancements in pipeline technology, and growing investments in infrastructure projects

WILMINGTON, DE, UNITED STATES, February 7, 2025 /EINPresswire.com/ -- The global [pipeline construction market](#)



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[pipeline construction market](#) has experienced remarkable growth over the past decade, driven by several key factors, including the increasing environmental benefits associated with pipelines and the rising use of natural gas. As the demand for efficient and sustainable transportation of resources grows, numerous industry players are expanding their operations worldwide. This expansion aims to cater to a broader customer base, enhance operational effectiveness, and develop diverse product portfolios, all of which contribute to the market's ongoing growth. According to a recent report published by Allied Market

Research titled "Pipeline Construction Market," the global pipeline construction market 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.

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Pipeline construction involves the installation of a series of pipes to transport various materials from one location to another efficiently. These pipelines play a crucial role in transporting raw materials from remote production sites to refineries and chemical plants, as well as delivering finished products to gasoline terminals, natural gas power plants, and other end users. Pipelines ensure a continuous and reliable flow of resources, reducing transportation costs and minimizing environmental risks associated with traditional transportation methods, such as trucking and rail transport.

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The demand for safe and cost-effective transportation of hazardous chemicals and petroleum products is a significant driver of market growth. Additionally, increasing public awareness of environmental concerns has led to a preference for pipelines over other transportation methods due to their lower greenhouse gas emissions. Furthermore, the depletion of freshwater resources has prompted governments worldwide to invest in wastewater treatment plants, which often require pipeline infrastructure for efficient water recycling and pollution reduction.

Another crucial factor contributing to the market's growth is the advancement in data management and communication technologies. These innovations are essential for monitoring pipeline integrity, ensuring security against sabotage and cyber threats, and optimizing the overall efficiency of pipeline operations. Additionally, population growth has increased demand for essential daily products such as water, milk, kerosene, diesel, and gasoline, further driving the need for expanded pipeline infrastructure.

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The COVID-19 pandemic had a negative impact on the global pipeline construction market. The widespread shutdown of manufacturing industries led to a decline in demand for pipeline construction projects. Additionally, the closure of non-essential businesses and the temporary halt of industrial activities disrupted supply chains and affected market growth. The pandemic also led to labor shortages and delays in project execution. However, as governments around the world eased restrictions and economic activities resumed, the market began to recover, and investments in infrastructure projects regained momentum.

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The increasing emphasis on reducing environmental pollution caused by traditional fossil fuel transportation methods presents a significant opportunity for the pipeline construction industry. Pipelines offer a more environmentally friendly alternative, with lower emissions and reduced risks of spills and leaks. As a result, governments and private sector players are increasingly investing in pipeline projects to support sustainable energy transportation.

Moreover, technological advancements in pipeline monitoring systems, such as the integration of radio frequency identification (RFID) tags and real-time data analytics, are expected to enhance the efficiency and security of pipeline operations. The development of smart pipelines equipped with automated monitoring and predictive maintenance capabilities is anticipated to create lucrative opportunities for market players in the coming years.

Global Pipeline Construction Market

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

Pipe Type

Metallic Pipes: This segment accounted for the largest share of the market in 2021, driven by their durability, high-pressure resistance, and extensive use in oil and gas transportation.

Non-Metallic Pipes: These are gaining popularity due to their corrosion resistance and cost-effectiveness, making them suitable for water and wastewater applications.

Application

Liquid Pipeline: Used for transporting oil, water, and other liquid resources. This segment continues to expand as demand for petroleum and clean water grows globally.

Gas Pipeline: Dominated the market in 2021, driven by the increasing consumption of natural gas as a cleaner energy source.

End User

Oil & Gas: The largest segment in 2021, as pipelines are essential for the transportation of crude oil, refined products, and natural gas.

Water & Wastewater: Expected to register the highest growth rate in the coming years due to rising investments in water treatment and recycling infrastructure.

Chemical: Pipelines are crucial for the safe transport of industrial chemicals, reducing the need for hazardous trucking methods.

Energy: Growing investments in renewable energy and hydrogen infrastructure are creating new opportunities for pipeline construction.

Regional Analysis

The market is analyzed across four major regions: North America, Europe, Asia-Pacific, and LAMEA (Latin America, the Middle East, and Africa).

Asia-Pacific: This region dominated the market in 2021, fueled by significant investments in power plant infrastructure and industrial development. Countries such as China and India are leading the expansion, with increased spending on oil and gas exploration and refining.

capacity.

North America: The U.S. and Canada continue to invest in pipeline projects to enhance their energy infrastructure, particularly in natural gas transportation.

Europe: Stringent environmental regulations and efforts to diversify energy sources have led to increased investments in pipeline networks.

LAMEA: Countries in this region are focusing on expanding their oil and gas pipeline infrastructure to support [economic growth](#) and energy security.

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The global pipeline construction market features several prominent companies that drive competition and innovation. Key players include:

Metal Forge India

Dee Piping System

Brambles Limited

CABKA Group GmbH

Craemer Holding GmbH

Menasha Corporation

Millwood, Inc.

Rehrig Pacific Holdings, Inc.

Schoeller Allibert Services B.V.

UFP Industries, Inc.

Key Findings of the Study

The metallic pipe segment dominated the market in terms of revenue in 2021.

The gas pipeline segment held the largest market share, driven by rising natural gas consumption.

The water and wastewater segment is projected to experience the highest growth rate in the coming years.

Asia-Pacific is expected to continue leading the market, with significant investments in pipeline infrastructure.

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