

# Expanding Ductile Iron Pipes Market Worth US\$ 15.34 Billion Meets Global Infrastructure Demands – Fact.MR Report

*Integration of Smart Technologies to Increase in Ductile Iron Pipes for Enhanced Efficiency: Fact.MR Analysis*

ROCKVILLE PIKE, MD, UNITED STATES, June 26, 2024 /EINPresswire.com/ -- Fact.MR, a market research and competitive intelligence provider, reveals that the [global ductile iron pipe market](#) is estimated at US\$ 9.33 billion in 2024 and is forecasted to reach a size of US\$ 15.34 billion by the end of 2034.

Ductile iron pipes represent a vital component of water and wastewater infrastructure globally, providing robust solutions for the efficient transportation of fluids. The ductility of the material allows for deformation without fracture, making it well-suited for a wide range of applications. The ductile iron pipe market is driven by rapid urbanization, industrial development, and sustainable water management practices.

Integration of advanced technologies, such as smart sensors for real-time monitoring, is a prominent trend in the ductile iron pipe market. This enhances the efficiency and maintenance of ductile iron pipe systems, providing valuable data for proactive decision-making.

Rapid urbanization and the need for modernized water and wastewater infrastructure globally are driving the demand for ductile iron pipes. Growing awareness of water scarcity issues emphasizes the importance of efficient water distribution systems. Ductile iron pipes, known for their durability and minimal water loss, address these concerns, driving the overall market growth. Stringent regulations mandating the use of durable and corrosion-resistant materials in water infrastructure projects are further supporting the adoption of ductile iron pipes.



Ductile Iron Pipe Industry Analysis

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## Key Takeaways from the Market Study

Global demand for ductile iron pipes is projected to rise at a CAGR of 5.1% from 2024 to 2034. The United States market is estimated at US\$ 1.91 billion in 2024. Sales of ductile iron pipes in Japan are projected to reach US\$ 472.3 million by 2034-end. Zn/Zn-Al + bitumen/epoxy ductile iron pipe demand is projected to reach a market value of US\$ 8.35 billion by 2034-end.

“Need for the replacement of aging water and wastewater infrastructure, particularly in developed countries, is creating profitable opportunities for ductile iron pipe producers,” says a Fact.MR analyst.

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## Competitive Strategy

Established companies such as Saint-Gobain PAM, McWane Inc., Kubota Corporation, and Jindal SAW Ltd. are leading the market. These companies are focusing on technological innovations, diversifying product portfolios, and global market expansion to maintain a strong market position.

Collaborations, partnerships, and strategic alliances are also some of the tactics that are expanding the profits of key market players. Mergers and acquisitions are further helping them expand their geographic presence and diversify their product offerings.

Ductile iron pipe manufacturers are increasingly facing competition from alternatives like PVC, HDPE, and steel pipes. Despite their advantages in durability and longevity, ductile iron pipes are seen as less cost-effective in some cases, leading to a challenging market environment.

PVC and HDPE pipes are gaining traction due to their lower material costs, lightweight nature, and ease of installation, which can significantly reduce labor and handling expenses. These factors make them an attractive choice for various applications, further intensifying competition for ductile iron pipes.

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