

10.4% CAGR : Intermodal Freight Transportation Market to Grow from USD 42.5 Billion in 2022 to USD 109.5 Billion by 2032

WILMINGTON, NEW CASTLE, DE, UNITED STATES, October 20, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Intermodal Freight Transportation Market](#) by Type (Railway Transport, Road Transport, Air and Sea Transport, Others), by End User Industry (Manufacturing, Oil and Gas, Consumer and Retail, Energy and Mining, Others): Global Opportunity Analysis and Industry Forecast, 2022 - 2032." The global Intermodal Freight Transportation Market Size was valued at USD 42.5 billion in 2022, and is projected to reach USD 109.5 billion by 2032, growing at a CAGR of 10.4% from 2023 to 2032.



Intermodal freight transport consists of transporting goods in a single loading unit (such as a container) using a combination of modes of transport: road, rail, waterways, or air. It has the potential to optimize the relative strengths of each of the modes in terms of flexibility, speed, costs, and environmental performance.

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Automation and AI integration are revolutionizing the intermodal freight transportation market, enhancing efficiency, reliability, and sustainability. By automating various processes such as scheduling, routing, and tracking, companies optimize resource utilization and reduce operational costs. AI algorithms analyze vast amounts of data to predict demand patterns, optimize route planning, and mitigate disruptions, thereby improving overall supply chain performance. Moreover, automation technologies such as autonomous vehicles and drones enable seamless intermodal operations, facilitating the smooth transfer of goods between different modes of transportation such as trucks, trains, ships, and planes. This integration

streamlines logistics processes, reduces transit times, and minimizes the risk of errors or delays. In addition, AI-driven predictive maintenance systems monitor equipment health in real-time, enabling proactive maintenance and reducing the likelihood of breakdowns, which disrupt supply chains. Overall, automation and AI integration foster a more agile, responsive, and sustainable intermodal freight transportation market, meeting the evolving needs of global trade and commerce while driving innovation and competitiveness in the logistics industry.

Greenhouse gas emissions pose a significant threat to climate stability, with the transport sector emerging as a prominent contributor. In Europe, transportation represents nearly a quarter of total greenhouse gas emissions, with road transport being the predominant source, comprising 72% of emissions in 2019. Within road transport, trucks play a substantial role, accounting for approximately a quarter of the emissions attributed to this sector. This highlights the significant environmental impact of freight transportation on roads, necessitating urgent measures to address emissions from this source. Efforts to mitigate these emissions could include the adoption of cleaner fuel technologies, the implementation of stricter emission standards for vehicles, and the promotion of alternative modes of transport such as rail or maritime shipping for freight movement. In addition, encouraging the use of more fuel-efficient vehicles and optimizing logistics operations to reduce unnecessary mileage and empty trips could further contribute to lowering emissions from freight transportation.

In addition, intermodal transport poses some challenges and risks for a distribution network, such as increased complexity due to coordination and integration of multiple modes of transportation and different carriers. In addition, there are longer transit times due to more transitions and connections between different modes of transportation, as well as potential bottlenecks, congestion, or disruptions at terminals or hubs. Moreover, there is less visibility and control over the status and location of goods, as intermodal transport involves more intermediaries and handovers. Lastly, there is higher liability and risk exposure due to more parties and contracts, which create confusion and disputes over responsibility for the goods in case of damage, loss, or claims.

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Sustainable practices are poised to revolutionize the intermodal freight transportation market, offering numerous opportunities for growth and innovation. With increasing concerns about climate change and environmental degradation, stakeholders in the transportation industry are under pressure to adopt eco-friendly solutions. Intermodal transportation, which integrates multiple modes of transport like rail, road, sea, and air, stands to benefit significantly from sustainable practices. By transitioning toward cleaner energy sources such as electric or hydrogen-powered vehicles, implementing efficient route planning to minimize emissions, and optimizing cargo consolidation to reduce waste and empty trips, the industry significantly lowers its carbon footprint. In addition, the incorporation of renewable energy sources and the

development of eco-friendly infrastructure further enhance sustainability efforts in intermodal transportation. Furthermore, sustainable practices contribute to environmental conservation and offer economic advantages, such as cost savings through fuel efficiency and reduced regulatory compliance costs. Moreover, consumers increasingly prefer businesses that prioritize sustainability, providing a competitive edge to companies embracing eco-friendly initiatives. Overall, the adoption of sustainable practices presents a wealth of opportunities for the intermodal freight transportation market, driving growth, fostering innovation, and meeting the evolving needs of a greener future.

The intermodal freight transportation market is segmented on the basis of type, end user industry, and region. On the basis of type, the market is classified into railway transport, road transport, inland, waterway transport, pipeline transport, maritime transport, air transport, and others. On the basis of end user industry, the market is divided into manufacturing, oil & gas, consumer & retail, aerospace & defense, energy & mining, and others. On the basis of region, the market is analyzed across North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa.

The report focuses on the growth prospects, restraints, and opportunities of the global market. The study provides Porter's five forces analysis to understand the impact of numerous factors such as competitive intensity of competitors, bargaining power of suppliers, threat of substitutes, threat of new entrants, and bargaining power of buyers of the Intermodal Freight Transportation Industry. The intermodal freight transportation market analysis for key players includes Air Ground Xpress, FedEx, CMA CGM Group, Hub Group, Inc., Berkman Forwarding, J.B. Hunt Transport, Inc., STG USA., CLX Logistics, LLC., LOGISTEED, Ltd., and Kuehne+Nagel.

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Key Market Finding :

On the basis of type, the market is classified into railway transport, road transport, inland, waterway transport, pipeline transport, maritime transport, air transport, and others. The road transport segment had the dominating Intermodal Freight Transportation Market Share in the year 2022 and is likely to remain dominant during the Intermodal Freight Transportation Market Forecast period. However, xx segment will be the fastest growing segment during the forecast period from 2023 to 2032.

On the basis of end user industry, the market is divided into manufacturing, oil & gas, consumer & retail, aerospace & defense, energy & mining, and others. The consumer & retail segment dominated the global Intermodal Freight Transportation Industry in the year 2022 and is likely to remain dominant during the forecast period. However, xx segment will be the fastest growing segment during the forecast period from 2023 to 2032.

On the basis of region, the market is analyzed across North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. The Europe region dominated the global Intermodal Freight Transportation Market Size in the year 2022 and is likely to remain dominant during the forecast period.

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