

Freight Management System Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Components (Solutions and Services), By End-Users (Third-party Logistics, Forwarders, Brokers, Shippers, and Carriers) , By Transportations Mode (Road Freight, Ocean Freight, Air Freight, Rail Freight), By Region & Competition, 2021-2031F

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Abstracts

The Global Freight Management System Market is anticipated to experience substantial growth, expanding from a valuation of USD 20.81 Billion in 2025 to USD 39.82 Billion by 2031, representing a compound annual growth rate of 11.42%. This market comprises specialized software platforms engineered to streamline the planning, execution, and monitoring of goods transportation across multimodal supply chains. These systems empower organizations to automate carrier selection, audit freight charges, and sustain real-time visibility over shipments, thereby enhancing operational efficiency. The market is fundamentally underpinned by the critical necessity for cost reduction and improved logistical supervision amidst escalating international trade volumes. According to the International Air Transport Association, global air cargo demand rose by 9.4% in September 2024 compared to the previous year, highlighting the intensifying pressure on logistics networks that demands such advanced management capabilities.

Despite this robust growth trajectory, the market faces a considerable challenge regarding the complexity of harmonizing these systems with disparate legacy architectures. The significant financial investment and technical expertise required to guarantee seamless data interoperability between modern freight platforms and older enterprise resource planning tools can discourage adoption. This barrier is particularly pronounced among smaller logistics providers with restricted IT budgets, for whom

bridging the gap between contemporary software and antiquated infrastructure remains a difficult hurdle.

Market Driver

The rapid broadening of global e-commerce serves as a primary catalyst for the widespread implementation of freight management systems. As consumers increasingly depend on online platforms for purchasing goods, retailers are under immense pressure to manage smaller, high-frequency shipments while ensuring speed and accuracy. This fundamental shift from bulk wholesale distribution to parcel-level logistics compels organizations to utilize specialized software for automating label generation, optimizing carrier selection, and maintaining delivery precision. According to Adobe's '2024 Holiday Shopping Forecast' from October 2024, U.S. online sales are projected to reach \$240.8 billion during the holiday season, representing an 8.4% growth year-over-year. Such significant transaction volumes require scalable digital tools that can handle the increased logistical load without a proportional rise in manual labor or error rates.

Increasing globalization and cross-border trade volumes further drive the market by necessitating systems capable of navigating complex international regulatory landscapes and multimodal transport networks. Freight management solutions are essential for synchronizing data across borders, ensuring compliance with customs documentation, and optimizing routes to mitigate geopolitical or environmental disruptions. According to the World Trade Organization's 'Global Trade Outlook and Statistics' released in October 2024, world merchandise trade volume is projected to grow by 2.7% in 2024, indicating a recovery that demands robust oversight mechanisms. To handle this expanding flow of goods effectively, companies are investing heavily in technologies to control expenditures, which remains a critical priority. According to the Council of Supply Chain Management Professionals' '35th Annual State of Logistics Report' from June 2024, United States business logistics costs stood at \$2.4 trillion in 2023, highlighting the immense financial incentive to implement efficient management systems.

Market Challenge

The difficulty of integrating modern software with disparate legacy architectures acts as a significant restraint on the Global Freight Management System Market. Many logistics organizations operate on entrenched enterprise resource planning tools that lack the flexibility to communicate seamlessly with newer, cloud-based freight solutions. This incompatibility necessitates complex, custom-coded interfaces that are both costly to

develop and difficult to maintain. Consequently, the high capital expenditure required for system interoperability acts as a deterrent for small and medium-sized enterprises, which often lack the necessary IT budgets to bridge this technological divide.

This fragmentation directly impedes market growth by extending implementation timelines and delaying the realization of return on investment. According to the Digital Container Shipping Association, in 2024, 66% of cargo owners acknowledged requiring external support to navigate digitalization, specifically citing technology integration and the overcoming of outdated infrastructure as primary hurdles. When companies perceive that the operational disruption and financial outlay of integration outweigh the immediate benefits of automation, they are more likely to postpone adoption. This hesitation slows the overall penetration of advanced freight management systems, particularly within sectors heavily reliant on older, proprietary digital frameworks.

Market Trends

The Incorporation of Carbon Footprint Tracking and Green Logistics Modules is fundamentally reshaping the market as organizations face intensifying pressure to meet environmental, social, and governance (ESG) standards. Freight management systems are increasingly integrating specialized sustainability engines that calculate Scope 3 emissions across complex multimodal networks, allowing shippers to audit the environmental impact of their carrier choices. This capability transitions logistics software from a purely operational tool into a critical asset for regulatory compliance and corporate responsibility strategy. According to Technology Magazine's October 2025 article regarding SAP, a recent study highlighted that 94% of companies now regard supply chain sustainability as a strategic differentiator, accelerating the adoption of these measurement capabilities.

The Evolution of Unified Multimodal Transportation Management Capabilities is also expanding rapidly, driven by the need to synchronize execution with advanced global trade intelligence. As international commerce faces heightened geopolitical instability and tariff complexities, platforms are embedding predictive analytics to optimize lane selection and manage cross-border risks proactively. This trend moves beyond simple freight booking, offering a holistic view that combines transit execution with real-time regulatory data to mitigate financial exposure. According to Descartes Systems Group's January 2025 study titled 'What Companies are Doing to Tackle Escalating Global Supply Chain Challenges,' 36% of supply chain leaders cited global trade intelligence as the top capability required to deliver the greatest business value over the next two years.

Key Market Players

- Oracle Corporation

- SAP SE

- The Descartes Systems Group Inc.

- United Parcel Service of America Inc.

- Werner Enterprises Inc.

- Blue Yonder Group, Inc.

- MercuryGate International, Inc.

- C.H. Robinson Worldwide, Inc.,

Report Scope

In this report, the Global Freight Management System Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Freight Management System Market, By Components

- Solutions

- Services

- Freight Management System Market, By End-Users

- Third-party Logistics

- Forwarders

- Brokers

%li%%li%Shippers

%li%%li%Carriers

%li%Freight Management System Market, By Transportations Mode

%li%%li%Road Freight

%li%%li%Ocean Freight

%li%%li%Air Freight

%li%%li%Rail Freight

%li%Freight Management System Market, By Region

%li%%li%North America

%li%%li%%li%United States

%li%%li%%li%Canada

%li%%li%%li%Mexico

%li%%li%Europe

%li%%li%%li%France

%li%%li%%li%United Kingdom

%li%%li%%li%Italy

%li%%li%%li%Germany

%li%%li%%li%Spain

%li%%li%Asia Pacific

%li%%li%%li%China

%li%%li%%li%India

%li%%li%%li%Japan

%li%%li%%li%Australia

%li%%li%%li%South Korea

%li%%li%%li%South America

%li%%li%%li%Brazil

%li%%li%%li%Argentina

%li%%li%%li%Colombia

%li%%li%%li%Middle East & Africa

%li%%li%%li%South Africa

%li%%li%%li%Saudi Arabia

%li%%li%%li%UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Freight Management System Market.

Available Customizations:

Global Freight Management System Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

%li%Detailed analysis and profiling of additional market players (up to five).

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