

Road Freight Transport Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Commercial, Light Commercial, Heavy Commercial), By Service (Express and Parcel Services, Freight Forwarding, Third-Party Logistics (3PL)), By Application (Agriculture, Fishing & Forestry, Construction, Manufacturing, Oil and Gas, Mining & Quarrying, Wholesale & Retail Trade, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Road Freight Transport Market was valued at USD 4.4 trillion in 2024 and is projected to reach USD 6.0 trillion by 2030, growing at a CAGR of 5.2% through the forecast period. Market growth is propelled by increasing globalization and economic expansion, which have elevated the demand for goods and boosted road freight volumes. The surge in e-commerce has intensified the need for efficient last-mile logistics, while ongoing infrastructure development and modernization projects have improved network efficiency. Road freight is also benefitting from technological advancements such as GPS tracking, route optimization, and telematics, which are reshaping operations. Future innovations like autonomous vehicles and electric trucks promise to further transform the sector. Shifts in consumer behavior, urban growth, and regulatory initiatives for sustainable transport are also influencing market dynamics. Companies are investing in cleaner fuel alternatives and advanced technologies to meet environmental goals and rising service expectations, ensuring continued growth in a rapidly evolving logistics landscape.

Key Market Drivers

Economic Growth and Globalization Driving Increased Demand for Road Freight Transport

Economic expansion and globalization are critical forces behind the steady growth of the global road freight transport market. As global and regional economies develop, the demand for goods rises, driving an increase in road-based transport services. Road freight remains a preferred logistics mode due to its ability to offer flexible, cost-efficient, and direct connections between manufacturers, suppliers, and end users. The ongoing liberalization of trade, combined with the rise of global supply chains, has reinforced road freight's role in enabling seamless domestic and cross-border movement of goods. Road freight also supports multimodal logistics, linking air, sea, and rail transport to inland destinations and improving delivery reach. This expanding scope of global trade, coupled with robust industrial and retail activities, continues to fuel the volume and complexity of road freight operations worldwide.

Key Market Challenges

Infrastructure Limitations and Congestion Impeding Road Freight Efficiency

A major obstacle to road freight efficiency lies in infrastructure deficiencies and growing congestion, which limit productivity and increase logistics costs. Many regions still operate with underdeveloped road systems, including aging highways, limited capacity, and poorly maintained surfaces. These issues create delays, elevate fuel consumption, and reduce delivery reliability. In developing economies, infrastructure often fails to keep pace with urban growth and freight demand, exacerbating traffic congestion and straining logistics networks. Even in developed regions, urban centers frequently experience gridlock and limited freight access, as commercial vehicles compete with regular traffic. The absence of dedicated freight corridors or optimized delivery time slots intensifies the burden on road systems. These constraints disrupt supply chains, increase operational expenses, and hinder efforts to achieve faster and more efficient freight movement, highlighting the need for targeted infrastructure upgrades and smart traffic management solutions.

Key Market Trends

Digitalization and Adoption of Advanced Technologies Transforming Road Freight

Operations

The global road freight transport market is undergoing a technological transformation, driven by the widespread adoption of digital solutions and intelligent systems. Tools such as real-time GPS tracking, telematics, and cloud-based fleet management platforms are enhancing visibility, efficiency, and decision-making across freight operations. Artificial intelligence and predictive analytics are being used to optimize routes, forecast maintenance, manage inventory, and reduce delivery delays. Digital freight marketplaces are reshaping traditional freight brokerage models, enabling real-time load-matching and improving truck utilization. These platforms lower operational costs and offer small and mid-sized carriers broader access to freight opportunities. Additionally, automation technologies and IoT integration provide detailed insights into cargo conditions, vehicle diagnostics, and driver performance. This trend toward smart logistics is not only improving service levels and profitability but also enabling sustainable practices by optimizing fuel usage and reducing empty miles.

Key Market Players

DHL International GmbH

United Parcel Service (UPS)

FedEx Corporation

XPO Logistics, Inc

DB Schenker

Kuehne + Nagel International AG

YRC Worldwide Inc

Nippon Express Co., Ltd

Report Scope:

In this report, the Global Road Freight Transport Market has been segmented into the following categories, in addition to the industry trends which have also been detailed

below:

Road Freight Transport Market, By Vehicle Type:

Commercial

Light Commercial

Heavy Commercial

Road Freight Transport Market, By Application:

Agriculture

Fishing & Forestry

Construction

Manufacturing

Oil and Gas

Mining & Quarrying

Wholesale & Retail Trade

Others

Road Freight Transport Market, By Service:

Express and Parcel Services

Freight Forwarding

Third-Party Logistics (3PL)

Road Freight Transport Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Colombia

Argentina

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Road Freight Transport Market.

Available Customizations:

Global Road Freight Transport 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

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

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. GLOBAL ROAD FREIGHT TRANSPORT MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Vehicle Type (Commercial, Light Commercial, Heavy Commercial)
 - 5.2.2. By Application (Agriculture, Fishing & Forestry, Construction, Manufacturing, Oil and Gas, Mining & Quarrying, Wholesale & Retail Trade, Others)
 - 5.2.3. By Service (Express and Parcel Services, Freight Forwarding, Third-Party

Logistics (3PL))

5.2.4. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)

5.3. By Company (2024)

5.4. Market Map

6. NORTH AMERICA ROAD FREIGHT TRANSPORT MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Vehicle Type

6.2.2. By Application

6.2.3. By Service

6.2.4. By Country

6.3. North America: Country Analysis

6.3.1. United States Road Freight Transport Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Vehicle Type

6.3.1.2.2. By Application

6.3.1.2.3. By Service

6.3.2. Canada Road Freight Transport Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Vehicle Type

6.3.2.2.2. By Application

6.3.2.2.3. By Service

6.3.3. Mexico Road Freight Transport Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Vehicle Type

6.3.3.2.2. By Application

6.3.3.2.3. By Service

7. EUROPE ROAD FREIGHT TRANSPORT MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Vehicle Type

7.2.2. By Application

7.2.3. By Service

7.2.4. By Country

7.3. Europe: Country Analysis

7.3.1. Germany Road Freight Transport Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Vehicle Type

7.3.1.2.2. By Application

7.3.1.2.3. By Service

7.3.2. France Road Freight Transport Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Vehicle Type

7.3.2.2.2. By Application

7.3.2.2.3. By Service

7.3.3. United Kingdom Road Freight Transport Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Vehicle Type

7.3.3.2.2. By Application

7.3.3.2.3. By Service

7.3.4. Italy Road Freight Transport Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Vehicle Type

7.3.4.2.2. By Application

7.3.4.2.3. By Service

7.3.5. Spain Road Freight Transport Market Outlook

7.3.5.1. Market Size & Forecast

- 7.3.5.1.1. By Value
- 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Vehicle Type
 - 7.3.5.2.2. By Application
 - 7.3.5.2.3. By Service

8. ASIA PACIFIC ROAD FREIGHT TRANSPORT MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Vehicle Type
 - 8.2.2. By Application
 - 8.2.3. By Service
 - 8.2.4. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Road Freight Transport Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Vehicle Type
 - 8.3.1.2.2. By Application
 - 8.3.1.2.3. By Service
 - 8.3.2. India Road Freight Transport Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Vehicle Type
 - 8.3.2.2.2. By Application
 - 8.3.2.2.3. By Service
 - 8.3.3. Japan Road Freight Transport Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Vehicle Type
 - 8.3.3.2.2. By Application
 - 8.3.3.2.3. By Service
 - 8.3.4. South Korea Road Freight Transport Market Outlook
 - 8.3.4.1. Market Size & Forecast

- 8.3.4.1.1. By Value
- 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Vehicle Type
 - 8.3.4.2.2. By Application
 - 8.3.4.2.3. By Service
- 8.3.5. Australia Road Freight Transport Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Vehicle Type
 - 8.3.5.2.2. By Application
 - 8.3.5.2.3. By Service

9. MIDDLE EAST & AFRICA ROAD FREIGHT TRANSPORT MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Vehicle Type
 - 9.2.2. By Application
 - 9.2.3. By Service
 - 9.2.4. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Road Freight Transport Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Vehicle Type
 - 9.3.1.2.2. By Application
 - 9.3.1.2.3. By Service
 - 9.3.2. UAE Road Freight Transport Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Vehicle Type
 - 9.3.2.2.2. By Application
 - 9.3.2.2.3. By Service
 - 9.3.3. South Africa Road Freight Transport Market Outlook
 - 9.3.3.1. Market Size & Forecast

- 9.3.3.1.1. By Value
- 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Vehicle Type
 - 9.3.3.2.2. By Application
 - 9.3.3.2.3. By Service

10. SOUTH AMERICA ROAD FREIGHT TRANSPORT MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Vehicle Type
 - 10.2.2. By Application
 - 10.2.3. By Service
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Road Freight Transport Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Vehicle Type
 - 10.3.1.2.2. By Application
 - 10.3.1.2.3. By Service
 - 10.3.2. Colombia Road Freight Transport Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Vehicle Type
 - 10.3.2.2.2. By Application
 - 10.3.2.2.3. By Service
 - 10.3.3. Argentina Road Freight Transport Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Vehicle Type
 - 10.3.3.2.2. By Application
 - 10.3.3.2.3. By Service

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS AND DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. COMPANY PROFILES

13.1. DHL International GmbH

13.1.1. Business Overview

13.1.2. Key Revenue and Financials

13.1.3. Recent Developments

13.1.4. Key Personnel

13.1.5. Key Product/Services Offered

13.2. United Parcel Service (UPS)

13.3. FedEx Corporation

13.4. XPO Logistics, Inc.

13.5. DB Schenker

13.6. Kuehne + Nagel International AG

13.7. YRC Worldwide Inc

13.8. Nippon Express Co., Ltd

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

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