

Global Connected Logistics Market Size study & Forecast, by Component (Hardware, Software, Services), by Transportation Mode (Roadways, Railways, Airways, Waterways), by Vertical (Retail & E-commerce, Automotive, Aerospace & Defense, Healthcare, Energy, Electronics & Semiconductors, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Connected Logistics Market is valued at approximately USD 29.72 Billion in 2022 and is anticipated to grow with a healthy growth rate of more than 14.50% during the forecast period 2023-2030. Connected logistics refers to the integration of various technologies, systems, and processes within the logistics and supply chain management domain to enable seamless communication, data exchange, and coordination across the entire supply chain network. It involves the use of digital platforms, Internet of Things (IoT) devices, data analytics, and automation to optimize the movement of goods, enhance visibility, and improve efficiency throughout the supply chain. The Connected Logistics Market is expanding because of factors such as the rising adoption of IoT technologies, the growing adoption of logistics 4.0 principles and the growing shift of consumers towards online shopping.

IoT devices such as sensors and RFID tags enable real-time tracking and monitoring of goods, assets, and vehicles throughout the supply chain. This enhanced visibility allows companies to optimize inventory management, minimize stockouts, and improve overall operational efficiency. Moreover, IoT sensors embedded in machinery and equipment can monitor performance metrics and detect anomalies in real time. By leveraging predictive analytics, companies can proactively schedule maintenance activities, reduce downtime, and prevent costly equipment failures, thereby improving supply chain

reliability. Optimized Route Planning in vehicles and transportation assets capture data on factors such as traffic conditions, weather forecasts, and road closures. This data can be analyzed to optimize route planning, reduce fuel consumption, minimize delivery times, and enhance overall fleet management efficiency. A survey conducted by The Bureau of Energy Efficiency (BEE) in 2023 revealed that 85 percent of electric two-wheeler users found the IoT features to be valuable in streamlining their daily commutes. Furthermore, as per a report published by LM Ericsson in 2021, IoT connections are projected to increase from 100 million in 2020 to 292 million in 2030 in the transportation sector alone as linked devices collect more data, thereby fostering growth with analytics solutions. Furthermore, the rapid growth of e-commerce has heightened the demand for efficient and cost-effective logistics solutions. As consumers increasingly rely on online shopping, businesses need to optimize their logistics operations to meet growing delivery expectations. Connected logistics technologies, such as real-time tracking and route optimization, play a crucial role in supporting the e-commerce boom and rise in market opportunities for the Connected Logistics Market. However, the high cost of initial investment hinders market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Connected Logistics Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to factors such as the presence of highly developed road and rail infrastructure, growing demand for technological integration in logistics, presence of major players in the region and rapid boom in the E-commerce market. Asia Pacific is expected to grow significantly over the forecast period. This can be attributed to factors such as rising technological advancements in transportation, growing investments in developing megacity and metro projects and the presence of leading E-commerce companies in the region.

Major market player included in this report are:

Intel Corporation

Infosys Limited

Cisco System Inc.

HCL Technology Limited

International Business Machines (IBM) Corporation

SAP SE

ORBOCMM

Freightgate Inc.,

ROHM Co., Ltd.

Renesas Electric Corporation

Recent Developments in the Market:

In February 2022, Oracle and RHI Magnesita entered into an agreement under which RHI Magnesita opted for Oracle's fusion cloud transportation management solution. This agreement enhanced RHI Magnesita's transportation operations, leading to cost savings and better customer service.

In February 2024, Oracle rolled out enhancements in its Oracle Fusion Cloud Supply Chain & Manufacturing (SCM) platform. The upgrades to Oracle Transportation Management and Oracle Global Trade Management, both part of Oracle Cloud SCM, assisted customers in optimizing logistics operations by boosting visibility, lowering costs, automating regulatory compliance, and improving decision-making.

In June 2021, Holisol Logistics, a provider of comprehensive supply chain management solutions, secured USD 3 million in debt financing from Northern Arc Capital. The funding was utilized to support the company's expansion and meet the growing demand for its end-to-end logistics services, driven by customer requirements for efficient supply chain management.

Global Connected Logistics Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Component, Transportation Mode, Vertical, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Hardware

Software

Services

By Transportation Mode:

Roadways

Railways

Airways

Waterways

By Vertical:

Retail & E-commerce

Automotive

Aerospace & Defense

Healthcare

Energy

Electronics & Semiconductors

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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