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North America Logistics Automation Market Forecast to 2030 - Regional Analysis - by Component (Hardware, Software, and Services), Mode of Freight Transport (Land, Water, and Air), Application (Warehouse Management and Transportation Management), and End-user Industry (Manufacturing, Retail and E-Commerce, Oil and Gas, Food and Beverages, Automotive, Healthcare and Pharmaceutical, and Others)

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Abstracts

The North America logistics automation market was valued at US$ 12,454.02 million in 2022 and is expected to reach US$ 28,794.65 million by 2030; it is estimated to register at a CAGR of 11.0% from 2022 to 2030.

Autonomous Truck and Truck Platooning Fuels North America Logistics Automation Market

With technological advancements, the adoption of automated machines across various industries is gaining high momentum, especially in the manufacturing & retail industry. The acceptance of automation in this industry has helped reduce human errors. The manufacturing & retail industry is continuously focusing on reducing total operational costs by eliminating human interference in operations. Autonomous vehicle providers are focusing on developing autonomous vehicles and truck platooning, which integrates advanced connectivity technology and automated driving support systems to provide efficient logistics services to its customers. These autonomous vehicles automatically maintain a close distance between a number of trucks, which connect with each other

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for short journeys. The truck at the start of the platoon is the front-runner, and the vehicles behind it adapt and react to variations in its movement, and the truck does not require action from drivers. Truck platooning holds a huge potential to make road journeys safer, cleaner, and more efficient. For instance, Scania, a developer of autonomous vehicles, is focusing strongly on semiautonomous platoons where the driver handles a main truck and monitors a train of unmanned follower trucks.

North America Logistics Automation Market Overview

Growing technological advancements have encouraged the adoption of robots in various industries. Logistics automation is becoming essential for retailers owing to the growing retail and e-commerce sectors worldwide. Market players are trying to achieve omnichannel and online strategies. Thus, logistics automation is necessary for retailers. Logistics automation ensures inventory management, tracking, reporting and forecasting, packaging, transportation of goods, and warehouse management. The retailers attract customers by providing free and fast delivery options. Thus, various industries are shifting toward adopting logistics automation to achieve effective supply chain processes and gain a competitive advantage to maintain their strong presence in the market. Continuous technological advancements and the rise in demand for automation positively impact the global market.

North America is an early adopter of technologies and has a sound IT infrastructure, with the US being the headquarters for many large logistics automation firms. The growth of the North America North America logistics automation market can be attributed to the rise in investment by industries such as manufacturing and automotive to automate their processes. Furthermore, the increasing government initiative to promote the adoption of automation across production facilities is boosting the demand for automotive solutions. For instance, the US President's "Made in America" initiative is encouraging the adoption of automated solutions in the manufacturing sector. The rising retail & e-commerce industry is contributing to the adoption of automation in warehouses and logistic facilities. This is one of the crucial factors boosting the growth of the North America logistics automation market.

North America Logistics Automation Market Revenue and Forecast to 2030 (US$ Million)

North America Logistics Automation Market Segmentation

The North America logistics automation market is segmented based on component,

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mode of freight transport, application, end-user industry, and country.

Based on component, the North America logistics automation market is segmented into hardware, software, and services. The hardware held the largest share in 2022.

In terms of mode of freight transport, the North America logistics automation market is segmented into land, water, and air. The land segment held the largest share in 2022.

By application, the North America logistics automation market is bifurcated into warehouse management and transportation management. The warehouse management segment held a larger share in 2022.

In terms of end-user industry, the North America logistics automation market is segmented into manufacturing, retail and e-commerce, oil and gas, food and beverages, automotive, healthcare and pharmaceutical, and others. The manufacturing segment held the largest share in 2022.

Based on country, the North America logistics automation market is categorized into US, Canada, and Mexico. The US dominated the North America logistics automation market in 2022.

BEUMER Group GmbH & co KG, Daifuku Co Ltd, Dematic Corp, Honeywell Intonational Inc, KNAPP AG, Mecalux SA, Swisslog Holding AG, TGW Logistics Group GmbH, Toshiba Infrastructure Systems and Solutions Corp are some of the leading companies operating in the North America logistics automation market.

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