Artificial Intelligence In Logistics Automation Market To Reach $53.13 Bn By 2030 Driven By Expanding Industry Demand

The Business Research Company's Artificial Intelligence (AI) In Logistics Automation Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035



The Business Research Company

LONDON, GREATER LONDON, UNITED KINGDOM, September 3, 2026 /EINPresswire.com/ -- "The logistics sector is undergoing a significant transformation with the rapid adoption of artificial intelligence (AI) technologies. These advancements are streamlining operations and driving efficiency, positioning AI as a critical component in the future of logistics automation. Let's explore the market size, growth drivers, leading regions, and the key factors shaping this evolving industry.

Artificial Intelligence in Logistics Automation Market Size and Growth Outlook
The artificial intelligence (AI) in logistics automation market has witnessed remarkable expansion in recent years. In 2025, the market size is projected to reach $12.29 billion and is expected to surge to $16.45 billion by 2026, representing a compound annual growth rate (CAGR) of 33.8%. This upward trend reflects increasing demand driven by factors such as the rise of e-commerce logistics, growth in warehouse automation, widespread use of transportation management software, globalization of supply chains, and early adoption of machine learning in logistics planning.

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Looking further ahead, the market is anticipated to accelerate significantly, reaching $53.14 billion by 2030 with a CAGR of 34.1%. The forecast growth is fueled by innovations like autonomous delivery vehicles and drones, expanded AI-driven supply chain orchestration platforms, growing demand for real-time visibility in logistics, adoption of edge computing within warehouses, and a stronger emphasis on cost-effective, sustainable logistics solutions. Emerging

trends shaping this period include the rise of hyperlocal last-mile delivery optimization tools, predictive demand-driven inventory positioning, autonomous drone and vehicle delivery networks, integration of digital twin models for logistics simulation, and increasing automation in cross-border e-commerce logistics and customs processing.

Understanding AI's Role in Logistics Automation
Artificial intelligence in logistics automation involves deploying sophisticated algorithms and machine learning models to optimize various logistics functions including transportation, warehousing, inventory control, and supply chain coordination. These technologies empower real-time decision-making, predictive analytics, and seamless automation of processes, ultimately boosting operational efficiency, lowering costs, and enhancing delivery accuracy.

View the full artificial intelligence (ai) in logistics automation market report:
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E-commerce Expansion as a Key Growth Driver for AI in Logistics
The rapid growth of e-commerce is a primary catalyst propelling the global artificial intelligence (AI) in logistics automation market forward. E-commerce, which involves buying and selling products through digital platforms, continues to expand due to widespread smartphone use and improved internet connectivity. This growth enables consumers to shop conveniently anytime and anywhere, leading to increased order volumes and higher delivery expectations. To meet these demands, warehouses are increasingly adopting AI-powered systems that enhance picking, sorting, packaging, and inventory management with greater speed and precision. For instance, in May 2026, the US Census Bureau reported a 9.7% increase in e-commerce sales for the first quarter compared to the same period the previous year, highlighting the sector's rapid expansion and its positive impact on AI integration in logistics.

Growth Factors Related to Technology and Supply Chain Globalization
Beyond e-commerce growth, additional factors supporting market expansion include the global spread of supply chains and the integration of advanced warehouse automation systems. The incorporation of transportation management software facilitates better logistics coordination, while the early use of machine learning helps optimize planning and operational efficiency. These combined factors reinforce the increasing adoption of AI-based solutions in logistics automation.

Regional Market Leadership and Emerging Hotspots
In 2025, North America emerged as the largest regional market for artificial intelligence in logistics automation. However, the Asia-Pacific region is projected to experience the fastest growth throughout the forecast period. The market report covers key geographical areas including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive perspective on global market

dynamics.

Our 2026 market reports now offer broader strategic coverage through market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, along with updated graphics and tables.

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