# Predictive AI In Supply Chain Market Report: Size, Trends, Growth, Segments, And Forecast

*The Business Research Company's Predictive AI In Supply Chain Market Report: Size, Trends, Growth, Segments, And Forecast*




LONDON, GREATER LONDON, UNITED KINGDOM, September 10, 2026 /EINPresswire.com/ -- "The predictive artificial intelligence (AI) technology is rapidly transforming how supply chains function, offering companies better insight and control over their operations. As businesses increasingly rely on smart forecasting and data-driven decisions, the market for predictive AI in supply chains is experiencing significant growth. Below, we explore the market size, key growth drivers, regional dynamics, and emerging trends that define this evolving sector.

> Expected to grow to $5.21 billion in 2030 at a compound annual growth rate (CAGR) of 16.8%”
>
> *The Business Research Company*

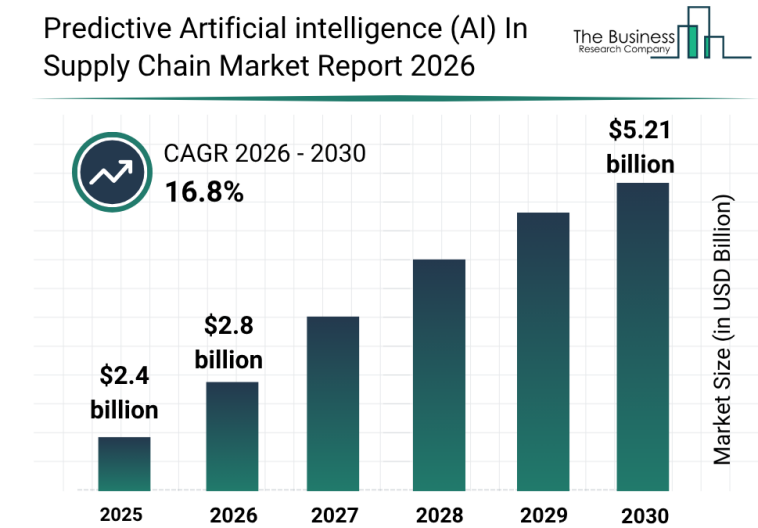
Market Expansion and Forecast for Predictive Artificial Intelligence in Supply Chain

The market for predictive AI in supply chain management has witnessed a swift rise in recent years. It is projected to expand from $2.4 billion in 2025 to $2.8 billion in 2026, growing at a compound annual growth rate (CAGR) of 16.6%. This historical growth can be linked to traditional challenges such as manual demand forecasting, fragmented data systems within supply chains, heavy reliance on past sales data for planning, limited use of analytics in procurement, and widespread inventory inefficiencies including stock imbalances.

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Looking ahead, the market is set to grow even more rapidly, reaching an estimated $5.21 billion by 2030 with a CAGR of 16.8%. This forecasted surge is driven by broader adoption of AI and

machine learning in supply chain planning, the expansion of real-time data integration across logistics networks, and the rise of cloud-based supply chain management platforms. Additional factors contributing to growth include increasing unpredictability in global trade, ongoing supply chain disruptions, and a rising demand among companies for comprehensive end-to-end visibility.



Predictive Artificial intelligence (AI) In Supply Chain Market Overview

Understanding Predictive Artificial Intelligence in Supply Chains
Predictive AI in supply chains involves using artificial intelligence, machine learning, and advanced analytics to anticipate future supply chain events and potential disruptions by analyzing historical and real-time data. This technology enables organizations to more accurately forecast customer demand, manage inventory levels, assess supplier performance, predict delivery delays, and identify operational risks, thereby improving overall efficiency and responsiveness.

View the full predictive artificial intelligence (ai) in supply chain market report: https://www.thebusinessresearchcompany.com/report/predictive-artificial-intelligence-ai-in-supply-chain-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Sep_PR

Key Drivers Behind the Growth of Predictive AI in Supply Chain
The rapid expansion of e-commerce logistics operations is a significant factor propelling the predictive AI market in supply chains. E-commerce logistics encompass activities such as transportation, warehousing, inventory management, order fulfillment, and delivery processes that support online retail and digital commerce. As consumer preference for online shopping and faster delivery increases both domestically and internationally, these logistics operations are becoming more complex and critical.

Predictive AI enhances e-commerce logistics by enabling better demand forecasting, optimizing inventory distribution, reducing transportation inefficiencies, and providing real-time visibility across fulfillment networks. For example, in February 2026, the U.S. Census Bureau reported that U.S. retail e-commerce sales hit $326.7 billion in the first quarter of 2026, marking a 2.7% increase from the previous quarter. This rise illustrates how expanding e-commerce logistics are driving demand for predictive AI solutions within supply chain management.

Regional Market Trends in Predictive AI for Supply Chain
In 2025, North America held the largest share of the predictive AI in supply chain market. However, Asia-Pacific is expected to experience the most rapid growth during the forecast period. The market overview includes key regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive perspective on global regional trends shaping this technology's adoption and expansion.

What's new in our 2026 market reports:

• Market attractiveness scoring and analysis
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