Artificial Intelligence in Supply Chain Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Offering (Hardware, Software, Services), By Application (Fleet Management, Supply Chain Planning), By End-User (Automotive, Retail, Others), By Region & Competition, 2021-2031F

Market Report | 2026-01-05 | 181 pages | TechSci Research

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Report description:

Market Overview
The Global Artificial Intelligence in Supply Chain Market will grow from USD 18.55 Billion in 2025 to USD 105.29 Billion by 2031 at a 33.56% CAGR. Artificial intelligence in the supply chain refers to the application of machine learning and predictive analytics to automate logistics and enhance strategic decision-making.
Key Market Drivers
The rising demand for operational efficiency and cost reduction acts as a primary catalyst for the integration of artificial intelligence within global logistics networks. Organizations are increasingly leveraging machine learning algorithms to automate labor-intensive processes, optimize inventory positioning, and refine predictive maintenance schedules, thereby minimizing downtime and operational waste.
Key Market Challenges
The integration of advanced artificial intelligence algorithms with fragmented legacy infrastructure presents a formidable barrier to market growth. Many supply chain organizations operate on outdated, siloed systems that cannot effectively communicate with modern machine learning platforms. This incompatibility leads to severe data quality issues, as disparate sources generate unstructured or inconsistent information that AI models cannot process accurately. Consequently, companies struggle to derive the actionable insights necessary for predictive analytics, rendering their investment in intelligent automation less effective and slowing the overall pace of digital transformation.
Key Market Trends
The integration of Generative AI represents a transformative shift in supply chain management, moving beyond traditional

predictive analytics to enable advanced risk simulation and autonomous decision-making. Unlike legacy systems that rely on structured datasets, these tools can process vast amounts of unstructured information, such as contracts and market reports, to generate actionable scenarios for complex problem-solving. This capability allows organizations to simulate potential disruptions and automatically generate mitigation strategies, significantly reducing the reliance on manual contingency planning.

Key Market Players

-IBM Corporation
-SAP SE
-Oracle Corporation
-Microsoft Corporation
-Amazon Web Services, Inc.
-Google LLC
-Cisco Systems, Inc
-Intel Corporation
-Accenture plc
-Kinaxis Inc

Report Scope:

In this report, the Global Artificial Intelligence in Supply Chain Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

-Artificial Intelligence in Supply Chain Market, By Offering:
oHardware
oSoftware
oServices
-Artificial Intelligence in Supply Chain Market, By Application:
oFleet Management
oSupply Chain Planning
-Artificial Intelligence in Supply Chain Market, By End-User:
oAutomotive
oRetail
oOthers
-Artificial Intelligence in Supply Chain Market, By Region:
oNorth America
-United States
-Canada
-Mexico
oEurope
-France
-United Kingdom
-Italy
-Germany
-Spain
oAsia Pacific
-China
-India
-Japan
-Australia
-South Korea
oSouth America

-Brazil
-Argentina
-Colombia
oMiddle East & Africa
-South Africa
-Saudi Arabia
-UAE
Competitive Landscape
Company Profiles: Detailed analysis of the major companies present in the Global Artificial Intelligence in Supply Chain Market.
Available Customizations:
Global Artificial Intelligence in Supply Chain 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).

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