

Global Artificial Intelligence in Supply Chain Market Size study, by Offering (Hardware, Software, Services), by Technology (Machine Learning, Computer Vision, Natural Language Processing, Context-Aware Computing, Others), by Application (Supply Chain Planning, Warehouse Management, Fleet Management, Virtual Assistant, Risk Management, Inventory Management, Planning & Logistics), by End Use (Manufacturing, Food and Beverages, Healthcare, Automotive, Aerospace, Retail, Consumer-Packaged Goods, Others), and Regional Forecasts 2022-2032.

<https://marketpublishers.com/r/GC6F195F9F56EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GC6F195F9F56EN

Abstracts

The global Artificial Intelligence in Supply Chain market was valued at USD 5.06 billion in 2023 and is projected to expand with a significant compound annual growth rate (CAGR) of 38.9% during the forecast period of 2024-2032. The remarkable growth trajectory of this market is primarily driven by the increasing need to streamline supply chains, optimize operational efficiency, and reduce costs across industries.

Artificial Intelligence (AI) solutions are revolutionizing supply chain management by automating repetitive tasks, analyzing large datasets, and providing actionable insights. E-commerce's rapid evolution has further necessitated the use of AI in inventory forecasting, demand planning, and logistics optimization to cater to fast-paced consumer needs. Additionally, AI's integration with IoT sensors and cloud computing

platforms is facilitating real-time data collection and analysis, significantly enhancing supply chain agility.

Several industries, including automotive and consumer goods, are experiencing benefits through AI-powered tools that improve transportation planning, warehouse management, and order fulfillment processes. For instance, collaborations like IBM's recent AI solutions for retail with SAP SE are aimed at optimizing store-level assortments and enabling precise demand forecasts.

North America currently dominates the market, with an estimated share of 38.4% in 2023, driven by advancements in AI and technology adoption in supply chain operations. Meanwhile, the Asia Pacific region is anticipated to register the fastest CAGR, fueled by the growing adoption of AI tools in booming e-commerce markets like China and India. Europe is also witnessing significant traction, particularly in countries such as Germany and France, which are emphasizing Industry 4.0 and sustainability initiatives.

The robust market competition, characterized by constant innovation and merger activities, is propelling technological advancements in predictive maintenance and AI-integrated tools for logistics. However, high implementation costs and the need for specialized skills in AI adoption may present challenges in certain regions.

Major market players include IBM Corporation, SAP SE, Microsoft Corporation, and NVIDIA Corporation, among others. These companies continue to focus on collaborations, R&D investments, and acquisitions to strengthen their market presence and cater to an expanding customer base.

The detailed segmentation and regional insights presented in this study outline the market's comprehensive growth trajectory over the forecast years.

Major market players included in this report are:

Advanced Micro Devices, Inc.

Alibaba.com

Amazon.com, Inc.

Deutsche Post DHL Group

FedEx

International Business Machines Corporation

Intel Corporation

Microsoft Corporation

NVIDIA Corporation

Oracle Corporation

Samsung

SAP SE

Vitesco Technologies GmbH

Lenovo

Blue Yonder Group, Inc.

The detailed segments and sub-segment of the market are explained below:

By Offering

Hardware

Software

Services

By Technology

Machine Learning

Computer Vision

Natural Language Processing

Context-Aware Computing

Others

By Application

Supply Chain Planning

Warehouse Management

Fleet Management

Virtual Assistant

Risk Management

Inventory Management

Planning & Logistics

By End Use

Manufacturing

Food and Beverages

Healthcare

Automotive

Aerospace

Retail

Consumer-Packaged Goods

Others

By Region:

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Asia Pacific

China

India

Japan

Australia

South Korea

Latin America

Brazil

Middle East & Africa

UAE

South Africa

KSA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

Contents

CHAPTER 1. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET EXECUTIVE SUMMARY

- 1.1. Global Artificial Intelligence in Supply Chain Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Offering
 - 1.3.2. By Technology
 - 1.3.3. By Application
 - 1.3.4. By End Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Integration of IoT and Cloud Computing in Supply Chain
- 3.1.2. Rising Demand for Supply Chain Agility and Optimization
- 3.1.3. Growth of E-commerce Driving AI Adoption

3.2. Market Challenges

- 3.2.1. High Costs of Implementation and Deployment
- 3.2.2. Complexity in Skill Set Requirements

3.3. Market Opportunities

- 3.3.1. Advancement in Predictive Analytics and Risk Management Solutions
- 3.3.2. Sustainability and Emission Reduction Strategies

CHAPTER 4. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN INDUSTRY ANALYSIS

4.1. Porter's Five Forces Analysis

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economic
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Emerging Technologies Impacting the Supply Chain

4.4. Analyst Insights and Recommendations

CHAPTER 5. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE & FORECAST BY OFFERING (2022-2032)

5.1. Segment Dashboard

5.2. Global Market: Hardware Revenue Trend Analysis

5.3. Global Market: Software Revenue Trend Analysis

5.4. Global Market: Services Revenue Trend Analysis

CHAPTER 6. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE & FORECAST BY TECHNOLOGY (2022-2032)

- 6.1. Segment Dashboard
- 6.2. Machine Learning
- 6.3. Computer Vision
- 6.4. Natural Language Processing
- 6.5. Context-Aware Computing
- 6.6. Others

CHAPTER 7. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE & FORECAST BY APPLICATION (2022-2032)

- 7.1. Segment Dashboard
- 7.2. Supply Chain Planning
- 7.3. Warehouse Management
- 7.4. Fleet Management
- 7.5. Virtual Assistant
- 7.6. Risk Management
- 7.7. Inventory Management
- 7.8. Planning & Logistics

CHAPTER 8. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE & FORECAST BY END USE (2022-2032)

- 8.1. Segment Dashboard
- 8.2. Manufacturing
- 8.3. Food and Beverages
- 8.4. Healthcare
- 8.5. Automotive
- 8.6. Aerospace
- 8.7. Retail
- 8.8. Consumer-Packaged Goods
- 8.9. Others

CHAPTER 9. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE & FORECAST BY REGION (2022-2032)

9.1. North America

9.1.1. U.S.

9.1.2. Canada

9.1.3. Mexico

9.2. Europe

9.2.1. UK

9.2.2. Germany

9.2.3. France

9.3. Asia Pacific

9.3.1. China

9.3.2. India

9.3.3. Japan

9.3.4. Australia

9.3.5. South Korea

9.4. Latin America

9.4.1. Brazil

9.5. Middle East & Africa

9.5.1. UAE

9.5.2. South Africa

9.5.3. KSA

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Key Company SWOT Analysis

10.1.1. IBM Corporation

10.1.2. SAP SE

10.1.3. NVIDIA Corporation

10.2. Key Market Strategies

10.3. Company Profiles

10.3.1. Advanced Micro Devices, Inc.

10.3.2. Alibaba.com

10.3.3. Amazon.com, Inc.

10.3.4. Deutsche Post DHL Group

10.3.5. FedEx

10.3.6. Microsoft Corporation

CHAPTER 11. RESEARCH PROCESS

11.1. Research Process

11.1.1. Data Mining

11.1.2. Analysis

11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes

12. LIST OF TABLES

1. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE BY REGION, 2022-2032 (USD BILLION)

2. GLOBAL ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN REVENUE SHARE BY OFFERING, 2023 (%)

3. KEY PLAYERS AND MARKET SHARE ANALYSIS (2023)

4. NORTH AMERICA ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN MARKET SIZE BY OFFERING, 2022-2032 (USD BILLION)

5. TOP STRATEGIES ADOPTED BY LEADING COMPANIES, 2024

12. LIST OF FIGURES

1. ARTIFICIAL INTELLIGENCE IN SUPPLY CHAIN RESEARCH METHODOLOGY

2. MARKET SIZE ESTIMATION TECHNIQUES

3. KEY TRENDS DRIVING GROWTH IN SUPPLY CHAIN AI (2023)

4. GLOBAL MARKET SNAPSHOT, 2022-2032 (USD BILLION)

5. PORTER'S FIVE FORCES IMPACT ANALYSIS

'This list is not complete, final report does contain more than 100 tables and 50 figures. The list may be updated in the final deliverable.'

I would like to order

Product name: Global Artificial Intelligence in Supply Chain Market Size study, by Offering (Hardware, Software, Services), by Technology (Machine Learning, Computer Vision, Natural Language Processing, Context-Aware Computing, Others), by Application (Supply Chain Planning, Warehouse Management, Fleet Management, Virtual Assistant, Risk Management, Inventory Management, Planning & Logistics), by End Use (Manufacturing, Food and Beverages, Healthcare, Automotive, Aerospace, Retail, Consumer-Packaged Goods, Others), and Regional Forecasts 2022-2032.

Product link: <https://marketpublishers.com/r/GC6F195F9F56EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GC6F195F9F56EN.html>