

# **Logistics Automation Market by Offering (Automated Guided Vehicles (AGVs), Autonomous Mobile Robots (AMRs), Automated Storage & Retrieval Systems, Conveyors, Warehouse Management Systems), Technology (RPA, Big Data, Blockchain) - Global Forecast to 2029**

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## **Abstracts**

The Logistics Automation market is projected to grow from USD 35.14 billion in 2024 to USD 52.53 billion by 2029, at a compound annual growth rate (CAGR) of 8.4% during the forecast period. The market is anticipated to grow due to the rise of online retail and the demand for faster delivery, integration of AI, machine learning, and IoT in logistics systems, and growing labor shortages and rising labor costs have pushed companies to invest in automation technologies like robotics to maintain operational efficiency.

However, growth may be restrained by the cost of implementing automation technologies, including robotics, AI, and autonomous vehicles, which can be prohibitively expensive, and the unexpected downtimes of automated logistics systems, which could disrupt logistics operations and lead to financial losses.

“Storage solutions segment is expected to hold the largest market share during the forecast period”

The storage solutions segment will hold the largest market share in logistics automation due to the growing demand for optimized warehouse space, driven by e-commerce and high-volume inventory management. Automated storage and retrieval systems (AS/RS) are key enablers, allowing companies to maximize storage density, reduce labor dependency, and enhance picking accuracy. AS/RS solutions also improve order processing speed and inventory tracking, crucial for meeting consumer expectations for

faster delivery. Their ability to handle diverse inventory types and minimize warehouse footprints makes them indispensable for large-scale logistics operations.

“The retail and e-commerce enterprise type will have the fastest growth rate during the forecast period”

The retail and e-commerce sector within the enterprise segment is poised to have the fastest growth rate in the logistics automation market, driven by the rapid expansion of online shopping and the increasing demand for faster delivery services. Retailers and e-commerce platforms face immense pressure to optimize supply chains, reduce order processing times, and manage high-volume inventories. Automation technologies such as robotics, AI-driven warehouse management, and automated sorting systems are crucial in meeting these demands. Additionally, the surge in omnichannel retailing and same-day delivery expectations further fuels the need for automated logistics solutions in this sector.

“Asia Pacific's to witness rapid logistics automation growth fueled by innovation and emerging technologies”

The Asia Pacific region is expected to witness the fastest growth rate in the logistics automation market due to the rapid expansion of e-commerce, rising manufacturing activities, and increasing investments in infrastructure and technology by countries like China, India, and Japan. The region's large consumer base and the rise of online retail platforms have fueled the need for streamlined logistics processes, including automated warehouses, autonomous vehicles, and AI-powered inventory management systems. Additionally, government initiatives promoting smart manufacturing and digitalization, particularly in China and India, are accelerating the adoption of logistics automation technologies. Asia Pacific's robust infrastructure development, coupled with its focus on innovation and investment in automation technologies, positions it as the dominant player in the global logistics automation market.

#### Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), innovation and technology directors, system integrators, and executives from various key organizations operating in the Logistics Automation market.

By Company: Tier I – 34%, Tier II – 43%, and Tier III – 23%

By Designation: C-Level Executives – 50%, D-Level Executives – 30%, and others – 20%

By Region: North America – 30%, Europe – 25%, Asia Pacific – 35%, Middle East & Africa – 5%, and Latin America – 5%

The report includes the study of key players offering Logistics Automation solutions and services. It profiles major vendors in the Logistics Automation market. The major players in the Logistics Automation market include KION Group (Germany), Honeywell (US), Daifuku (Japan), IBM (US), SAP (Germany), Oracle (US), ABB (Switzerland), Manhattan Associates (US), KUKA Group (Germany), Jungheinrich (Germany), Toshiba (Japan), Toyota Industries (Japan), Zebra Technologies (US), Kardex Group (Switzerland), Symbotix (US), KNAPP (Austria), SSI Schaefer (Germany), Blue Yonder (US), Murata Machinery (Japan), TGW Logistics (Austria), K?rber AG (Germany), Beumer Group (Germany), Mecalux International (Spain), Hardis Group (France), JR Automation (US), Ecovium (Germany), System Logistics (Italy), Automated Logistics Systems (US), Savoye (US), Locus Robotics (US), GreyOrange (US), Falcon Autotech (India), Logistically (US), Logiwa (US) and Rossum (Czech Republic).

## Research coverage

This research report categorizes the Logistics Automation market By Offering (automated systems (robotic systems, storage solutions, automatic identification & data collection, others), automation software (transport management systems, warehouse management systems, order management software), software by deployment mode (cloud and on-premises)), By Logistics Type (inbound logistics (procurement logistics, production logistics), outbound/sales logistics, reverse logistics), By Technology (robotic process automation (RPA), artificial intelligence & analytics, internet of things (IoT) platform, blockchain, big data, others), By end user, enterprise type (retail & e-commerce, healthcare & pharmaceuticals, manufacturing, automotive, food & beverages, metal & machinery, third party-logistics (3PL), other enterprises), and By Region (North America, Europe, Asia Pacific, Middle East & Africa, and Latin America). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the logistics automation market. A detailed analysis of the key industry players has been done to provide insights into their business overview, products, and services; key strategies; contracts, partnerships, agreements, new product & service launches, mergers and acquisitions, and recent developments associated with the logistics automation market.

Competitive analysis of upcoming startups in the logistics automation market ecosystem is covered in this report.

### Key Benefits of Buying the Report

The report would provide the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall logistics automation market and its subsegments. It would help stakeholders understand the competitive landscape and gain more insights better to position their business and plan suitable go-to-market strategies. It also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (rise in e-commerce activities, increasing adoption of autonomous robots, growing demand for 3PL services, and need for occupational safety), restraints (lack of uniform governance standards and high capital investment), opportunities (implementation of autonomous vehicles & drones, automation-as-a-service to revolutionize logistics, and growing adoption of industry 4.0), and challenges (integration with existing systems and staff training and labor concerns).

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the logistics automation market.

**Market Development:** Comprehensive information about lucrative markets – the report analyses the logistics automation market across varied regions.

**Market Diversification:** Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the logistics automation market.

**Competitive Assessment:** In-depth assessment of market shares, growth strategies and service offerings of leading players like KION Group (Germany), Honeywell (US), Daifuku (Japan), IBM (US), SAP (Germany), Oracle (US), ABB (Switzerland), Manhattan Associates (US), KUKA Group (Germany), Jungheinrich (Germany), Toshiba (Japan), Toyota Industries (Japan), Zebra

Technologies (US), Kardex Group (Switzerland), Symbotic (US), KNAPP (Austria), SSI Schaefer (Germany), Blue Yonder (US), Murata Machinery (Japan), TGW Logistics (Austria), K?rber AG (Germany), Beumer Group (Germany), Mecalux International (Spain), Hardis Group (France), JR Automation (US), Ecovium (Germany), System Logistics (Italy), Automated Logistics Systems (US), Savoye (US), Locus Robotics (US), GreyOrange (US), Falcon Autotech (India), Logistically (US), Logiwa (US) and Rossum (Czech Republic), among others in the logistics automation market. The report also helps stakeholders understand the pulse of the logistics automation market and provides them with information on key market drivers, restraints, challenges, and opportunities.

## Contents

### 1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
  - 1.2.1 INCLUSIONS AND EXCLUSIONS
- 1.3 MARKET SCOPE
  - 1.3.1 MARKET SEGMENTATION
  - 1.3.2 YEARS CONSIDERED
- 1.4 CURRENCY CONSIDERED
- 1.5 STAKEHOLDERS
- 1.6 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Breakup of primary profiles
    - 2.1.2.2 Key industry insights
- 2.2 MARKET BREAKUP AND DATA TRIANGULATION
- 2.3 MARKET SIZE ESTIMATION
  - 2.3.1 TOP-DOWN APPROACH
  - 2.3.2 BOTTOM-UP APPROACH
- 2.4 MARKET FORECAST
- 2.5 RESEARCH ASSUMPTIONS
- 2.6 RESEARCH LIMITATIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN LOGISTICS AUTOMATION MARKET
- 4.2 LOGISTICS AUTOMATION MARKET: TOP 3 ENTERPRISES
- 4.3 LOGISTICS AUTOMATION MARKET IN NORTH AMERICA: TOP 3 ROBOTIC SYSTEMS AND AUTOMATION SOFTWARE
- 4.4 LOGISTICS AUTOMATION MARKET, BY REGION

## **5 MARKET OVERVIEW AND INDUSTRY TRENDS**

### **5.1 INTRODUCTION**

### **5.2 MARKET DYNAMICS**

#### **5.2.1 DRIVERS**

- 5.2.1.1 Rise in e-commerce activities
- 5.2.1.2 Increasing adoption of autonomous robots
- 5.2.1.3 Growing demand for 3PL services
- 5.2.1.4 Need for occupational safety

#### **5.2.2 RESTRAINTS**

- 5.2.2.1 Lack of uniform governance standards
- 5.2.2.2 High capital investment

#### **5.2.3 OPPORTUNITIES**

- 5.2.3.1 Implementation of autonomous vehicles and drones
- 5.2.3.2 Automation-as-a-service to revolutionize logistics
- 5.2.3.3 Growing adoption of Industry 4.0

#### **5.2.4 CHALLENGES**

- 5.2.4.1 Integration with existing systems
- 5.2.4.2 Staff training and labor concerns

#### **5.2.5 TOP USE CASES & MARKET POTENTIAL**

- 5.2.5.1 Key use cases

#### **5.2.6 WAREHOUSE AUTOMATION**

#### **5.2.7 ROUTE OPTIMIZATION**

#### **5.2.8 PREDICTIVE MAINTENANCE**

#### **5.2.9 DEMAND FORECASTING**

#### **5.2.10 AUTONOMOUS VEHICLES**

#### **5.2.11 SUPPLY CHAIN VISIBILITY**

### **5.3 LOGISTICS AUTOMATION MARKET: EVOLUTION**

### **5.4 ECOSYSTEM ANALYSIS**

- 5.4.1 WAREHOUSE MANAGEMENT SYSTEM (WMS) PROVIDERS
- 5.4.2 TRANSPORT MANAGEMENT SYSTEM (TMS) PROVIDERS
- 5.4.3 AUTOMATIC IDENTIFICATION & DATA CAPTURE (AIDC) PROVIDERS
- 5.4.4 AUTOMATED STORAGE & RETRIEVAL SYSTEM (AS/RS)
- 5.4.5 TECHNOLOGY PARTNERS/INTEGRATORS
- 5.4.6 END USERS

### **5.5 SUPPLY CHAIN ANALYSIS**

### **5.6 INVESTMENT LANDSCAPE AND FUNDING SCENARIO**

### **5.7 CASE STUDY ANALYSIS**



#### 5.7.1 CASE STUDY 1: VEYER'S PARTNERSHIP WITH DEMATIC FOR ENHANCED ORDER FULFILLMENT

#### 5.7.2 CASE STUDY 2: AUTOMATION AND EFFICIENCY AT COCA-COLA BOTTLERS JAPAN'S SAITAMA MEGA DC

#### 5.7.3 CASE STUDY 3: GETRIEBEBAU NORD'S TRANSFORMATION WITH KNAPP'S EVO SHUTTLE SYSTEM

#### 5.7.4 CASE STUDY 4: WALGREENS ENHANCED CUSTOMER EXPERIENCE WITH BLUE YONDER'S INVENTORY AND ORDER MANAGEMENT SOLUTIONS

#### 5.7.5 CASE STUDY 5: HACHETTE UK'S INNOVATIVE DISTRIBUTION CENTER TRANSFORMATION

### 5.8 TECHNOLOGY ANALYSIS

#### 5.8.1 KEY TECHNOLOGIES

##### 5.8.1.1 Robotic Process Automation (RPA)

##### 5.8.1.2 Artificial Intelligence (AI) & Machine Learning (ML)

##### 5.8.1.3 Blockchain

##### 5.8.1.4 Internet of Things (IoT)

##### 5.8.1.5 Augmented Reality (AR) and Virtual Reality (VR)

#### 5.8.2 COMPLEMENTARY TECHNOLOGIES

##### 5.8.2.1 Big Data Analytics

##### 5.8.2.2 Cloud Computing

##### 5.8.2.3 Digital Twins

#### 5.8.3 ADJACENT TECHNOLOGIES

##### 5.8.3.1 Cybersecurity

##### 5.8.3.2 Edge Computing

### 5.9 TRADE ANALYSIS

#### 5.9.1 IMPORT SCENARIO

#### 5.9.2 EXPORT SCENARIO

### 5.10 REGULATORY LANDSCAPE

#### 5.10.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

#### 5.10.2 REGULATIONS, BY REGION

##### 5.10.2.1 North America: Regulations

###### 5.10.2.1.1 Slave-Free Business Certification Act

###### 5.10.2.1.2 Biden-Harris Plan to Revitalize American Manufacturing and Secure Critical Supply Chains

###### 5.10.2.1.3 Federal Information Security Management Act (FISMA)

###### 5.10.2.1.4 Federal Information Processing Standards (FIPS)

###### 5.10.2.1.5 America COMPETES Act

##### 5.10.2.2 Europe: Regulations



- 5.10.2.2.1 General Data Protection Regulation
- 5.10.2.2.2 European Committee for Standardization (CEN)
- 5.10.2.2.3 European Telecommunications Standards Institute (ETSI)
- 5.10.2.2.4 Directive on Corporate Sustainability Due Diligence
- 5.10.2.2.5 Directive 2014/24/EU: Public Procurement
- 5.10.2.2.6 Directive 2014/25/EU: Utilities Procurement
- 5.10.2.3 Asia Pacific
  - 5.10.2.3.1 ASEAN Free Trade Agreement (AFTA)
  - 5.10.2.3.2 Asia Pacific Trade Agreement (APTA)
- 5.10.2.4 Middle East & Africa
  - 5.10.2.4.1 Federal Customs Authority Regulations
- 5.10.2.5 Latin America
  - 5.10.2.5.1 Law on Roads, Bridges, and Federal Transport
  - 5.10.2.5.2 Ley 105 de 1993
- 5.11 PATENT ANALYSIS
  - 5.11.1 METHODOLOGY
  - 5.11.2 PATENTS FILED, BY DOCUMENT TYPE
  - 5.11.3 INNOVATION AND PATENT APPLICATIONS
- 5.12 PRICING ANALYSIS
  - 5.12.1 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY OFFERING (AUTOMATED SYSTEMS)
  - 5.12.2 INDICATIVE PRICING ANALYSIS, BY END USER
- 5.13 KEY CONFERENCES AND EVENTS, 2024–2025
- 5.14 PORTER'S FIVE FORCES' ANALYSIS
  - 5.14.1 THREAT OF NEW ENTRANTS
  - 5.14.2 THREAT OF SUBSTITUTES
  - 5.14.3 BARGAINING POWER OF SUPPLIERS
  - 5.14.4 BARGAINING POWER OF BUYERS
  - 5.14.5 INTENSITY OF COMPETITIVE RIVALRY
- 5.15 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS
  - 5.15.1 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS
- 5.16 KEY STAKEHOLDERS & BUYING CRITERIA
  - 5.16.1 KEY STAKEHOLDERS IN BUYING PROCESS
  - 5.16.2 BUYING CRITERIA
- 5.17 LOGISTICS BY GEOGRAPHIC COVERAGE
  - 5.17.1 DOMESTIC LOGISTICS
  - 5.17.2 INTERNATIONAL LOGISTICS
  - 5.17.3 CROSS-BORDER LOGISTICS

## **6 LOGISTICS AUTOMATION MARKET, BY OFFERING**

### **6.1 INTRODUCTION**

#### **6.1.1 OFFERING: LOGISTICS AUTOMATION MARKET DRIVERS**

### **6.2 AUTOMATED SYSTEMS**

#### **6.2.1 MECHANISMS UTILIZE SOPHISTICATED ROBOTS AND AI TO ENHANCE PRECISION AND VELOCITY**

##### **6.2.2 ROBOTICS SYSTEMS**

###### **6.2.2.1 Automated guided vehicles (AGVs)**

###### **6.2.2.2 Autonomous mobile robots (AMRs)**

###### **6.2.2.3 Robotic picking systems**

###### **6.2.2.4 Palletizing & depalletizing systems**

##### **6.2.3 STORAGE SOLUTIONS**

###### **6.2.3.1 Automated storage & retrieval systems (AS/RS)**

##### **6.2.4 AUTOMATED IDENTIFICATION AND DATA COLLECTION (AIDC)**

##### **6.2.5 CONVEYORS & SORTERS**

##### **6.2.6 DRONES**

### **6.3 AUTOMATION SOFTWARE**

#### **6.3.1 AUTOMATED SYSTEMS MAKE IT EASIER TO TRACK INVENTORY IN REAL-TIME, ENABLING BUSINESSES TO KEEP STOCK LEVELS ACCURATE AND AUTOMATE REORDERING PROCEDURES**

##### **6.3.2 TRANSPORT MANAGEMENT SYSTEMS**

###### **6.3.2.1 Real-time visibility and tracking**

###### **6.3.2.2 Route optimization and transportation management**

###### **6.3.2.3 Fleet management solutions**

###### **6.3.2.4 Freight audit and payment solutions**

###### **6.3.2.5 Load optimization**

##### **6.3.3 WAREHOUSE MANAGEMENT SYSTEMS (WMS)**

###### **6.3.3.1 Inventory management**

###### **6.3.3.1.1 Inventory optimization**

###### **6.3.3.1.2 Inventory tracking**

###### **6.3.3.2 Yard management**

###### **6.3.3.3 Shipping management**

###### **6.3.3.4 Labor management**

###### **6.3.3.5 Vendor management**

###### **6.3.3.6 Others**

##### **6.3.4 ORDER MANAGEMENT SOFTWARE**

###### **6.3.4.1 Chatbot and digital assistants**

###### **6.3.4.2 Document and records management**

6.3.4.3 Sales accounting processing

6.3.4.4 Others

## 6.4 SOFTWARE BY DEPLOYMENT MODE

6.4.1 CLOUD

6.4.2 ON-PREMISES

## 7 LOGISTICS AUTOMATION MARKET, BY LOGISTICS TYPE

### 7.1 INTRODUCTION

7.1.1 LOGISTICS TYPE: LOGISTICS AUTOMATION MARKET DRIVERS

### 7.2 INBOUND LOGISTICS

7.2.1 INBOUND LOGISTICS MAKE SURE THAT ESSENTIAL RESOURCES ARE ACCESSIBLE WHENEVER REQUIRED, MAINTAINING EFFICIENT PRODUCTION

7.2.2 PROCUREMENT LOGISTICS

7.2.3 PRODUCTION LOGISTICS

### 7.3 OUTBOUND/SALES LOGISTICS

7.3.1 ENHANCING OUTBOUND LOGISTICS THROUGH AUTOMATION IN OPTIMIZING ORDER FULFILLMENT AND DELIVERY EFFICIENCY

### 7.4 REVERSE LOGISTICS

7.4.1 AI-POWERED TOOLS TO EVALUATE DATA FROM RETURNS MADE, ENABLING THEM TO MAKE INFORMED CHOICES

## 8 LOGISTICS AUTOMATION MARKET, BY TECHNOLOGY

### 8.1 INTRODUCTION

8.1.1 TECHNOLOGY: LOGISTICS AUTOMATION MARKET DRIVERS

### 8.2 ROBOTICS PROCESS AUTOMATION (RPA)

8.2.1 RPA BOOSTS OPERATIONAL EFFICIENCY AND ACCURACY BY AUTOMATING DATA ENTRY, SHIPMENT TRACKING, AND DOCUMENT MANAGEMENT

### 8.3 ARTIFICIAL INTELLIGENCE & ANALYTICS

8.3.1 AI-POWERED SYSTEMS CAN STREAMLINE ROUTE ORGANIZATION BY EXAMINING TRAFFIC TRENDS, WEATHER CIRCUMSTANCES, AND DELIVERY TIMETABLES

### 8.4 INTERNET OF THINGS (IOT) PLATFORM

8.4.1 TRACKING SHIPMENTS IN REAL-TIME, SUPPLIERS AND DISTRIBUTORS CAN COORDINATE MORE EFFECTIVELY, RESULTING IN QUICKER REACTION TO CHANGES IN MARKET

### 8.5 BLOCKCHAIN

8.5.1 SMART CONTRACTS AUTOMATE DIFFERENT TASKS, LIKE PAYMENTS AND CUSTOMS CLEARANCE

8.6 BIG DATA

8.6.1 LEVERAGING BIG DATA ANALYTICS FOR ENHANCED EFFICIENCY AND DECISION-MAKING IN LOGISTICS OPERATIONS

## **9 LOGISTICS AUTOMATION MARKET, BY END USER**

9.1 INTRODUCTION

9.1.1 END USER: LOGISTICS AUTOMATION MARKET DRIVERS

9.2 BY ENTERPRISE TYPE

9.2.1 RETAIL & E-COMMERCE

9.2.1.1 Logistics automation enables rapid, accurate order fulfillment and efficient returns management

9.2.2 HEALTHCARE & PHARMACEUTICALS

9.2.2.1 Logistics automation in healthcare & pharmaceuticals enhances operational efficiency, ensures regulatory compliance, and maintains product integrity

9.2.3 MANUFACTURING

9.2.3.1 Logistics automation supports just-in-time practices and sustainability goals through advanced robotics and IoT integration in manufacturing

9.2.4 AUTOMOTIVE

9.2.4.1 Logistics automation enhances productivity and enables real-time data-driven decision-making through autonomous robots and advanced digital tools

9.2.5 FOOD & BEVERAGE

9.2.5.1 Enhancing efficiency and ensuring compliance in food & beverage sector through advanced logistics automation technologies

9.2.6 METAL & MACHINERY

9.2.6.1 Precision and efficiency in metal & machinery sector through advanced logistics automation technologies

9.2.7 THIRD-PARTY LOGISTICS (3PL)

9.2.7.1 Enhancing operational efficiency and service delivery in third-party logistics

9.2.8 OTHER ENTERPRISE TYPES

## **10 LOGISTICS AUTOMATION MARKET, BY REGION**

10.1 INTRODUCTION

10.2 NORTH AMERICA

10.2.1 NORTH AMERICA: LOGISTICS AUTOMATION MARKET DRIVERS

10.2.2 NORTH AMERICA: MACROECONOMIC OUTLOOK

### 10.2.3 US

10.2.3.1 Rapid growth and responsible development of logistics market in US

### 10.2.4 CANADA

10.2.4.1 Canada's strategic growth in logistics market: Innovations and initiatives

## 10.3 EUROPE

### 10.3.1 EUROPE: LOGISTICS AUTOMATION MARKET DRIVERS

### 10.3.2 EUROPE: MACROECONOMIC OUTLOOK

### 10.3.3 UK

10.3.3.1 UK government has been proactive in supporting research and development efforts aimed at advancing automation technologies

### 10.3.4 FRANCE

10.3.4.1 France focuses on low-emission transport solutions

### 10.3.5 GERMANY

10.3.5.1 German government has been actively promoting Industry 4.0 to foster innovation through digitalization in manufacturing and logistics

### 10.3.6 ITALY

10.3.6.1 Digital future for Italy will help government officials and businesspersons shape their policies

### 10.3.7 SPAIN

10.3.7.1 Spanish government has recognized transformative potential of AI and developed national strategy

### 10.3.8 REST OF EUROPE

## 10.4 ASIA PACIFIC

### 10.4.1 ASIA PACIFIC: LOGISTICS AUTOMATION MARKET DRIVERS

### 10.4.2 ASIA PACIFIC: MACROECONOMIC OUTLOOK

### 10.4.3 CHINA

10.4.3.1 Integration of AI, robotics, and IoT technologies into China's logistics networks leading to development of highly efficient and scalable supply chains

### 10.4.4 INDIA

10.4.4.1 Rise of online e-commerce platforms leading to adoption of automated warehousing systems to streamline supply chains and reduce operational costs

### 10.4.5 JAPAN

10.4.5.1 Rise of e-commerce, coupled with high consumer expectations for same-day delivery, has accelerated need for automated solutions

### 10.4.6 SOUTH KOREA

10.4.6.1 Ministry of Trade, Industry, and Energy (MOTIE) to push for innovation in logistics through partnerships between government, tech companies, and academia

### 10.4.7 ANZ

10.4.7.1 Vast geographical expanse and growth of sectors such as agriculture,

manufacturing, and retail make efficient logistics operations essential in Australia & New Zealand

#### 10.4.8 REST OF ASIA PACIFIC

### 10.5 MIDDLE EAST & AFRICA

#### 10.5.1 MIDDLE EAST & AFRICA: LOGISTICS AUTOMATION MARKET DRIVERS

#### 10.5.2 MIDDLE EAST & AFRICA: MACROECONOMIC OUTLOOK

#### 10.5.3 MIDDLE EAST

##### 10.5.3.1 Saudi Arabia

10.5.3.1.1 Rise of smart warehouses to enable real-time tracking and better inventory management in Saudi Arabia

##### 10.5.3.2 UAE

10.5.3.2.1 Incorporation of data analytics and artificial intelligence in logistics operations to enhance decision-making capabilities and promote sustainable practices

##### 10.5.3.3 Turkey

10.5.3.3.1 Turkey's government launches projects aimed at modernizing infrastructure, including development of logistics centers and enhancement of transportation networks

##### 10.5.3.4 QATAR

10.5.3.4.1 Integration of blockchain technology to gain traction, enhancing transparency and security in logistics transactions

##### 10.5.3.5 Rest of Middle East

#### 10.5.4 AFRICA

### 10.6 LATIN AMERICA

#### 10.6.1 LATIN AMERICA: LOGISTICS AUTOMATION MARKET DRIVERS

#### 10.6.2 LATIN AMERICA: MACROECONOMIC OUTLOOK

#### 10.6.3 BRAZIL

10.6.3.1 Increasing adoption of warehouse robotics and intelligent systems, which are essential for managing complexities of modern supply chains

#### 10.6.4 MEXICO

10.6.4.1 Mexican government promotes digital transformation through initiatives aimed at improving infrastructure and facilitating foreign direct investment

#### 10.6.5 ARGENTINA

10.6.5.1 Rise of e-commerce in Argentina has created pressing demand for automated solutions

#### 10.6.6 REST OF LATIN AMERICA

## 11 COMPETITIVE LANDSCAPE

### 11.1 OVERVIEW

## 11.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

## 11.3 REVENUE ANALYSIS

## 11.4 MARKET SHARE ANALYSIS

### 11.4.1 MARKET RANKING ANALYSIS

## 11.5 PRODUCT COMPARATIVE ANALYSIS

### 11.5.1 PRODUCT COMPARATIVE ANALYSIS, BY WAREHOUSE MANAGEMENT SYSTEM

#### 11.5.1.1 Warehouse Management System (Blue Yonder)

#### 11.5.1.2 Manhattan SCALE (Manhattan Associates)

#### 11.5.1.3 K.Motion Warehouse Advantage (Korber AG)

#### 11.5.1.4 Extended Warehouse Management (SAP)

#### 11.5.1.5 Warehouse Management Cloud (Oracle)

### 11.5.2 PRODUCT COMPARATIVE ANALYSIS, BY TRANSPORT MANAGEMENT SYSTEM

#### 11.5.2.1 Oracle Transportation Management (Oracle)

#### 11.5.2.2 Manhattan Active Transportation Management (Manhattan Associates)

#### 11.5.2.3 SAP Transportation Management (TM) (SAP)

#### 11.5.2.4 Logistically TMS (Logistically)

#### 11.5.2.5 Blue Yonder Network Control Tower (Blue Yonder)

## 11.6 COMPANY VALUATION AND FINANCIAL METRICS

## 11.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

### 11.7.1 STARS

### 11.7.2 EMERGING LEADERS

### 11.7.3 PERVASIVE PLAYERS

### 11.7.4 PARTICIPANTS

### 11.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023

#### 11.7.5.1 Company Footprint

#### 11.7.5.2 Region Footprint

#### 11.7.5.3 Offering Footprint

#### 11.7.5.4 Technology Footprint

#### 11.7.5.5 End User Footprint

## 11.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023

### 11.8.1 PROGRESSIVE COMPANIES

### 11.8.2 RESPONSIVE COMPANIES

### 11.8.3 DYNAMIC COMPANIES

### 11.8.4 STARTING BLOCKS

### 11.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023

#### 11.8.5.1 Detailed List of Key Startups/SMEs

#### 11.8.5.2 Competitive Benchmarking of Key Startups/SMEs



## 11.9 COMPETITIVE SCENARIO AND TRENDS

### 11.9.1 PRODUCT LAUNCHES AND ENHANCEMENTS

### 11.9.2 DEALS

## 12 COMPANY PROFILES

### 12.1 INTRODUCTION

#### 12.1.1 KION GROUP

##### 12.1.1.1 Business overview

##### 12.1.1.2 Products offered

##### 12.1.1.3 Recent developments

###### 12.1.1.3.1 Product Launches and Enhancements

###### 12.1.1.3.2 Deals

###### 12.1.1.3.3 Expansions

##### 12.1.1.4 MnM view

###### 12.1.1.4.1 Right to win

###### 12.1.1.4.2 Strategic choices

###### 12.1.1.4.3 Weaknesses and competitive threats

#### 12.1.2 HONEYWELL

##### 12.1.2.1 Business overview

##### 12.1.2.2 Products offered

##### 12.1.2.3 Recent developments

###### 12.1.2.3.1 Product Launches and Enhancements

###### 12.1.2.3.2 Deals

##### 12.1.2.4 MnM view

###### 12.1.2.4.1 Right to win

###### 12.1.2.4.2 Strategic choices

###### 12.1.2.4.3 Weaknesses and competitive threats

#### 12.1.3 DAIFUKU

##### 12.1.3.1 Business overview

##### 12.1.3.2 Products offered

##### 12.1.3.3 Recent developments

###### 12.1.3.3.1 Product Launches

###### 12.1.3.3.2 Deals

##### 12.1.3.4 MnM view

###### 12.1.3.4.1 Right to win

###### 12.1.3.4.2 Strategic choices

###### 12.1.3.4.3 Weaknesses and competitive threats

#### 12.1.4 IBM

- 12.1.4.1 Business overview
- 12.1.4.2 Products offered
- 12.1.4.3 Recent developments
  - 12.1.4.3.1 Product Enhancements
  - 12.1.4.3.2 Deals
- 12.1.4.4 MnM view
  - 12.1.4.4.1 Right to win
  - 12.1.4.4.2 Strategic choices
  - 12.1.4.4.3 Weaknesses and competitive threats
- 12.1.5 SAP
  - 12.1.5.1 Business overview
  - 12.1.5.2 Products offered
  - 12.1.5.3 Recent developments
    - 12.1.5.3.1 Product Enhancements
    - 12.1.5.3.2 Deals
  - 12.1.5.4 MnM view
    - 12.1.5.4.1 Right to win
    - 12.1.5.4.2 Strategic choices
    - 12.1.5.4.3 Weaknesses and competitive threats
- 12.1.6 SAMSUNG SDS
  - 12.1.6.1 Business overview
  - 12.1.6.2 Products offered
  - 12.1.6.3 Recent developments
    - 12.1.6.3.1 Product Launches
    - 12.1.6.3.2 Deals
- 12.1.7 ORACLE
  - 12.1.7.1 Business overview
  - 12.1.7.2 Products offered
  - 12.1.7.3 Recent developments
    - 12.1.7.3.1 Product Enhancements
    - 12.1.7.3.2 Deals
- 12.1.8 ABB
  - 12.1.8.1 Business overview
  - 12.1.8.2 Products offered
  - 12.1.8.3 Recent developments
    - 12.1.8.3.1 Product Enhancements
    - 12.1.8.3.2 Deals
- 12.1.9 MANHATTAN ASSOCIATES
  - 12.1.9.1 Business overview

- 12.1.9.2 Products offered
- 12.1.9.3 Recent developments
  - 12.1.9.3.1 Deals
- 12.1.10 KUKA AG
  - 12.1.10.1 Business overview
  - 12.1.10.2 Products offered
  - 12.1.10.3 Recent developments
    - 12.1.10.3.1 Deals
- 12.1.11 JUNGHEINRICH
  - 12.1.11.1 Business overview
  - 12.1.11.2 Products offered
  - 12.1.11.3 Recent developments
    - 12.1.11.3.1 Product Launches
    - 12.1.11.3.2 Deals
- 12.1.12 TOSHIBA
- 12.1.13 TOYOTA INDUSTRIES
- 12.1.14 ZEBRA TECHNOLOGIES
- 12.1.15 KARDEX GROUP
- 12.1.16 SYMBOTIC
- 12.1.17 KNAPP
- 12.1.18 SSI SCHAEFER
- 12.1.19 BLUE YONDER
- 12.1.20 MURATA MACHINERY
- 12.1.21 TGW LOGISTICS GROUP
- 12.1.22 K?RBER AG
- 12.1.23 BEUMER GROUP
- 12.1.24 MECALUX INTERNATIONAL
- 12.1.25 HARDIS GROUP
- 12.1.26 JR AUTOMATION
- 12.2 STARTUP/SME PROFILES
  - 12.2.1 ECOVIUM
  - 12.2.2 SYSTEM LOGISTICS
  - 12.2.3 AUTOMATED LOGISTICS SYSTEMS
  - 12.2.4 SAVOYE
  - 12.2.5 LOCUS ROBOTICS
  - 12.2.6 GREYORANGE
  - 12.2.7 FALCON AUTOTECH
  - 12.2.8 LOGISTICALLY
  - 12.2.9 LOGIWA

- 12.2.10 ROSSUM
- 12.2.11 RIGHTHAND ROBOTICS
- 12.2.12 THIRD WAVE AUTOMATION
- 12.2.13 AGILITY ROBOTICS
- 12.2.14 GATHER AI

## **13 ADJACENT AND RELATED MARKETS**

### **13.1 INTRODUCTION**

### **13.2 SMART WAREHOUSING MARKET—GLOBAL FORECAST 2028**

#### **13.2.1 MARKET DEFINITION**

#### **13.2.2 MARKET OVERVIEW**

- 13.2.2.1 Smart Warehousing Market, by Offering
- 13.2.2.2 Smart Warehousing Market, Hardware by Type
- 13.2.2.3 Smart Warehousing Market, Software by Type
- 13.2.2.4 Smart Warehousing Software Market, by Deployment Mode
- 13.2.2.5 Smart Warehousing Market, by Service
- 13.2.2.6 Smart Warehousing Market, by Technology
- 13.2.2.7 Smart Warehousing Market, by Application
- 13.2.2.8 Smart Warehousing Market, by Vertical
- 13.2.2.9 Smart Warehousing Market, by Region

### **13.3 SUPPLY CHAIN MANAGEMENT MARKET — GLOBAL FORECAST TO 2027**

#### **13.3.1 MARKET DEFINITION**

#### **13.3.2 MARKET OVERVIEW**

- 13.3.2.1 Supply Chain Management Market, by Component
- 13.3.2.2 Supply Chain Management Market, by Hardware
- 13.3.2.3 Supply Chain Management Market, Software by Type
- 13.3.2.4 Supply Chain Management Market, by Service
- 13.3.2.5 Supply Chain Management Market, by Deployment Mode
- 13.3.2.6 Supply Chain Management Market, by Organization Size
- 13.3.2.7 Supply Chain Management Market, by Vertical
- 13.3.2.8 Supply Chain Management Market, by Region

## **14 APPENDIX**

### **14.1 DISCUSSION GUIDE**

### **14.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL**

### **14.3 CUSTOMIZATION OPTIONS**

### **14.4 RELATED REPORTS**

## 14.5 AUTHOR DETAILS

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