

# **Smart Warehousing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Hardware, Solutions, Services), By Organization Size (Small and Medium Enterprises, Large Enterprises), By Deployment Mode (On-Premises, Cloud), By Application (Transport Management, Inventory Management, Order Management), By Industry (Transportation & Logistics, Retail & Ecommerce, Food & Beverages, Others), By Region & Competition, 2020-2030F**

<https://marketpublishers.com/r/SDD630B48FE2EN.html>

Date: March 2025

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: SDD630B48FE2EN

## **Abstracts**

The Global Smart Warehousing Market was valued at USD 20.06 Billion in 2024 and is predicted to reach USD 36.19 Billion by 2030 with a CAGR of 10.17% during the forecast period. The global Smart Warehousing Market is experiencing a transformative evolution, driven by the fusion of advanced technologies with traditional warehousing operations. These innovative solutions encompass automation, robotics, the Internet of Things (IoT), artificial intelligence (AI), and cloud-based platforms, revolutionizing the way warehouses operate. Key drivers of this market include the relentless rise of e-commerce, the pressing need for supply chain optimization, labor efficiency demands, and the integration of IoT and real-time data monitoring.

Large enterprises, fueled by their investment capacity and the need to manage complex supply chains, dominate the adoption of these smart warehousing solutions. Cloud-based deployments are gaining prominence due to their scalability, accessibility, and cost-effectiveness, transforming warehouse operations for businesses of all sizes.

However, the market faces significant challenges such as the high implementation costs, a shortage of skilled labor, data security and privacy concerns, complex integration, and uncertainty surrounding return on investment. Despite these challenges, the potential for smart warehousing to drive efficiency, enhance customer experiences, and maintain competitiveness continues to draw businesses into this rapidly growing market.

## Key Market Drivers

### Rising E-commerce and Omnichannel Retailing

The rapid growth of e-commerce and the widespread adoption of omnichannel retailing have been among the primary drivers fueling the smart warehousing market. E-commerce giants like Amazon, Alibaba, and numerous other online retailers have fundamentally altered the retail landscape, creating an insatiable demand for efficient, technologically advanced warehousing solutions. The need for faster order processing, seamless order fulfillment, and reduced delivery times has led to the proliferation of smart warehousing. Advanced technologies, such as automated picking systems, real-time inventory tracking, and IoT-connected devices, enable e-commerce companies to meet these demands. Smart warehousing solutions optimize the storage and retrieval of products, resulting in reduced operational costs and enhanced customer satisfaction. With the global e-commerce market showing no signs of slowing down, the smart warehousing market is expected to experience continued growth. As traditional retailers increasingly adopt omnichannel strategies to remain competitive, the demand for smart warehousing solutions is anticipated to surge. Cross-border e-commerce is expanding rapidly, with global cross-border e-commerce sales expected to exceed USD 1 trillion by 2025. This growth creates demand for warehousing solutions in strategic locations worldwide to handle international shipments, customs clearance, and regional distribution.

## Key Market Challenges

### High Implementation Costs

One of the most significant challenges facing the adoption of smart warehousing solutions is the high initial implementation costs. Outfitting a traditional warehouse with automation, robotics, IoT sensors, and other advanced technologies requires a substantial upfront investment. This includes the cost of purchasing the hardware,

software, and systems necessary for automation, as well as the expense of retrofitting or building a smart warehouse infrastructure.

The integration of these technologies with existing warehouse management systems (WMS) and enterprise resource planning (ERP) systems can be complex and costly. Warehouse operators must budget for training and hiring skilled technicians to maintain and troubleshoot these sophisticated systems. As a result, small and medium-sized enterprises (SMEs) may find it challenging to make the initial financial commitment required for smart warehousing, limiting the market's growth potential.

## Key Market Trends

### Automation and Robotics Revolutionizing Warehousing

Automation and robotics have become driving forces in the evolution of smart warehousing. The deployment of autonomous robots, automated guided vehicles (AGVs), and drones within warehouses is dramatically enhancing operational efficiency. These technologies are streamlining tasks such as goods transportation, inventory management, and order picking. Warehouses are increasingly adopting robotic solutions, not only to save labor costs but also to improve accuracy, speed, and safety. With advances in machine learning and AI, robots can adapt to dynamic environments and collaborate with human workers. The trend is further amplified by the integration of Internet of Things (IoT) devices, which enable real-time monitoring and control of robotic fleets, ensuring seamless operations. Robotics and AI applications in smart warehouses are projected to reduce the need for manual labor by 30-40%, allowing for a more streamlined workforce and reducing human error in tasks like picking, sorting, and packaging.

## Key Market Players

Honeywell International Inc.

Siemens AG

Rockwell Automation Inc.

Schneider Electric SE

GE Vernova Group

ABB Ltd.

KION Group AG

Jungheinrich AG

SWISSLOG Group

Smart Warehousing LL

### Report Scope:

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

#### Smart Warehousing Market, By Component:

Hardware

Solutions

Services

#### Smart Warehousing Market, By Organization Size:

Small and Medium Enterprises

Large Enterprises

#### Smart Warehousing Market, By Deployment Mode:

On-Premises

Cloud

#### Smart Warehousing Market, By Application:

Transport Management

Inventory Management

Order Management

Smart Warehousing Market, By Industry:

Transportation & Logistics

Retail & Ecommerce

Food & Beverages

Others

Smart Warehousing Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

South America

Brazil

Argentina

Colombia

Asia-Pacific

China

India

Japan

South Korea

Australia

Middle East & Africa

Saudi Arabia

UAE

South Africa

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the Global Smart Warehousing Market.

## Available Customizations:

Global Smart Warehousing 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:

*Smart Warehousing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Compon...*

## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. SERVICE OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Baseline Methodology
- 2.2. Key Industry Partners
- 2.3. Major Association and Secondary Sources
- 2.4. Forecasting Methodology
- 2.5. Data Triangulation & Validation
- 2.6. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

### **4. IMPACT OF COVID-19 ON GLOBAL SMART WAREHOUSING MARKET**

### **5. VOICE OF CUSTOMER**

### **6. GLOBAL SMART WAREHOUSING MARKET OVERVIEW**

### **7. GLOBAL SMART WAREHOUSING MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Component (Hardware, Solutions, Services)
  - 7.2.2. By Organization Size (Small and Medium Enterprises, Large Enterprises)
  - 7.2.3. By Deployment Mode (On-Premises, Cloud)
  - 7.2.4. By Application (Transport Management, Inventory Management, Order Management)
  - 7.2.5. By Industry (Transportation & Logistics, Retail & Ecommerce, Food & Beverages, Others)



7.2.6. By Region (North America, Europe, South America, Middle East & Africa, Asia Pacific)

7.3. By Company (2024)

7.4. Market Map

## **8. NORTH AMERICA SMART WAREHOUSING MARKET OUTLOOK**

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Component

8.2.2. By Organization Size

8.2.3. By Deployment Mode

8.2.4. By Application

8.2.5. By Industry

8.2.6. By Country

8.3. North America: Country Analysis

8.3.1. United States Smart Warehousing Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Component

8.3.1.2.2. By Organization Size

8.3.1.2.3. By Deployment Mode

8.3.1.2.4. By Application

8.3.1.2.5. By Industry

8.3.2. Canada Smart Warehousing Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Component

8.3.2.2.2. By Organization Size

8.3.2.2.3. By Deployment Mode

8.3.2.2.4. By Application

8.3.2.2.5. By Industry

8.3.3. Mexico Smart Warehousing Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

- 8.3.3.2.1. By Component
- 8.3.3.2.2. By Organization Size
- 8.3.3.2.3. By Deployment Mode
- 8.3.3.2.4. By Application
- 8.3.3.2.5. By Industry

## **9. EUROPE SMART WAREHOUSING MARKET OUTLOOK**

### **9.1. Market Size & Forecast**

- 9.1.1. By Value

### **9.2. Market Share & Forecast**

- 9.2.1. By Component
- 9.2.2. By Organization Size
- 9.2.3. By Deployment Mode
- 9.2.4. By Application
- 9.2.5. By Industry
- 9.2.6. By Country

### **9.3. Europe: Country Analysis**

#### **9.3.1. Germany Smart Warehousing Market Outlook**

- 9.3.1.1. Market Size & Forecast
  - 9.3.1.1.1. By Value
- 9.3.1.2. Market Share & Forecast
  - 9.3.1.2.1. By Component
  - 9.3.1.2.2. By Organization Size
  - 9.3.1.2.3. By Deployment Mode
  - 9.3.1.2.4. By Application
  - 9.3.1.2.5. By Industry

#### **9.3.2. France Smart Warehousing Market Outlook**

- 9.3.2.1. Market Size & Forecast
  - 9.3.2.1.1. By Value
- 9.3.2.2. Market Share & Forecast
  - 9.3.2.2.1. By Component
  - 9.3.2.2.2. By Organization Size
  - 9.3.2.2.3. By Deployment Mode
  - 9.3.2.2.4. By Application
  - 9.3.2.2.5. By Industry

#### **9.3.3. United Kingdom Smart Warehousing Market Outlook**

- 9.3.3.1. Market Size & Forecast
  - 9.3.3.1.1. By Value

- 9.3.3.2. Market Share & Forecast
  - 9.3.3.2.1. By Component
  - 9.3.3.2.2. By Organization Size
  - 9.3.3.2.3. By Deployment Mode
  - 9.3.3.2.4. By Application
  - 9.3.3.2.5. By Industry
- 9.3.4. Italy Smart Warehousing Market Outlook
  - 9.3.4.1. Market Size & Forecast
    - 9.3.4.1.1. By Value
  - 9.3.4.2. Market Share & Forecast
    - 9.3.4.2.1. By Component
    - 9.3.4.2.2. By Organization Size
    - 9.3.4.2.3. By Deployment Mode
    - 9.3.4.2.4. By Application
    - 9.3.4.2.5. By Industry
- 9.3.5. Spain Smart Warehousing Market Outlook
  - 9.3.5.1. Market Size & Forecast
    - 9.3.5.1.1. By Value
  - 9.3.5.2. Market Share & Forecast
    - 9.3.5.2.1. By Component
    - 9.3.5.2.2. By Organization Size
    - 9.3.5.2.3. By Deployment Mode
    - 9.3.5.2.4. By Application
    - 9.3.5.2.5. By Industry

## **10. SOUTH AMERICA SMART WAREHOUSING MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Component
  - 10.2.2. By Organization Size
  - 10.2.3. By Deployment Mode
  - 10.2.4. By Application
  - 10.2.5. By Industry
  - 10.2.6. By Country
- 10.3. South America: Country Analysis
  - 10.3.1. Brazil Smart Warehousing Market Outlook
    - 10.3.1.1. Market Size & Forecast

- 10.3.1.1.1. By Value
- 10.3.1.2. Market Share & Forecast
  - 10.3.1.2.1. By Component
  - 10.3.1.2.2. By Organization Size
  - 10.3.1.2.3. By Deployment Mode
  - 10.3.1.2.4. By Application
  - 10.3.1.2.5. By Industry
- 10.3.2. Colombia Smart Warehousing Market Outlook
  - 10.3.2.1. Market Size & Forecast
    - 10.3.2.1.1. By Value
  - 10.3.2.2. Market Share & Forecast
    - 10.3.2.2.1. By Component
    - 10.3.2.2.2. By Organization Size
    - 10.3.2.2.3. By Deployment Mode
    - 10.3.2.2.4. By Application
    - 10.3.2.2.5. By Industry
- 10.3.3. Argentina Smart Warehousing Market Outlook
  - 10.3.3.1. Market Size & Forecast
    - 10.3.3.1.1. By Value
  - 10.3.3.2. Market Share & Forecast
    - 10.3.3.2.1. By Component
    - 10.3.3.2.2. By Organization Size
    - 10.3.3.2.3. By Deployment Mode
    - 10.3.3.2.4. By Application
    - 10.3.3.2.5. By Industry

## **11. MIDDLE EAST & AFRICA SMART WAREHOUSING MARKET OUTLOOK**

- 11.1. Market Size & Forecast
  - 11.1.1. By Value
- 11.2. Market Share & Forecast
  - 11.2.1. By Component
  - 11.2.2. By Organization Size
  - 11.2.3. By Deployment Mode
  - 11.2.4. By Application
  - 11.2.5. By Industry
  - 11.2.6. By Country
- 11.3. Middle East & Africa: Country Analysis
  - 11.3.1. Saudi Arabia Smart Warehousing Market Outlook

- 11.3.1.1. Market Size & Forecast
  - 11.3.1.1.1. By Value
- 11.3.1.2. Market Share & Forecast
  - 11.3.1.2.1. By Component
  - 11.3.1.2.2. By Organization Size
  - 11.3.1.2.3. By Deployment Mode
  - 11.3.1.2.4. By Application
  - 11.3.1.2.5. By Industry
- 11.3.2. UAE Smart Warehousing Market Outlook
  - 11.3.2.1. Market Size & Forecast
    - 11.3.2.1.1. By Value
  - 11.3.2.2. Market Share & Forecast
    - 11.3.2.2.1. By Component
    - 11.3.2.2.2. By Organization Size
    - 11.3.2.2.3. By Deployment Mode
    - 11.3.2.2.4. By Application
    - 11.3.2.2.5. By Industry
- 11.3.3. South Africa Smart Warehousing Market Outlook
  - 11.3.3.1. Market Size & Forecast
    - 11.3.3.1.1. By Value
  - 11.3.3.2. Market Share & Forecast
    - 11.3.3.2.1. By Component
    - 11.3.3.2.2. By Organization Size
    - 11.3.3.2.3. By Deployment Mode
    - 11.3.3.2.4. By Application
    - 11.3.3.2.5. By Industry

## **12. ASIA PACIFIC SMART WAREHOUSING MARKET OUTLOOK**

- 12.1. Market Size & Forecast
  - 12.1.1. By Value
- 12.2. Market Share & Forecast
  - 12.2.1. By Component
  - 12.2.2. By Organization Size
  - 12.2.3. By Deployment Mode
  - 12.2.4. By Application
  - 12.2.5. By Industry
  - 12.2.6. By Country
- 12.3. Asia Pacific: Country Analysis

### 12.3.1. China Smart Warehousing Market Outlook

#### 12.3.1.1. Market Size & Forecast

##### 12.3.1.1.1. By Value

#### 12.3.1.2. Market Share & Forecast

##### 12.3.1.2.1. By Component

##### 12.3.1.2.2. By Organization Size

##### 12.3.1.2.3. By Deployment Mode

##### 12.3.1.2.4. By Application

##### 12.3.1.2.5. By Industry

### 12.3.2. India Smart Warehousing Market Outlook

#### 12.3.2.1. Market Size & Forecast

##### 12.3.2.1.1. By Value

#### 12.3.2.2. Market Share & Forecast

##### 12.3.2.2.1. By Component

##### 12.3.2.2.2. By Organization Size

##### 12.3.2.2.3. By Deployment Mode

##### 12.3.2.2.4. By Application

##### 12.3.2.2.5. By Industry

### 12.3.3. Japan Smart Warehousing Market Outlook

#### 12.3.3.1. Market Size & Forecast

##### 12.3.3.1.1. By Value

#### 12.3.3.2. Market Share & Forecast

##### 12.3.3.2.1. By Component

##### 12.3.3.2.2. By Organization Size

##### 12.3.3.2.3. By Deployment Mode

##### 12.3.3.2.4. By Application

##### 12.3.3.2.5. By Industry

### 12.3.4. South Korea Smart Warehousing Market Outlook

#### 12.3.4.1. Market Size & Forecast

##### 12.3.4.1.1. By Value

#### 12.3.4.2. Market Share & Forecast

##### 12.3.4.2.1. By Component

##### 12.3.4.2.2. By Organization Size

##### 12.3.4.2.3. By Deployment Mode

##### 12.3.4.2.4. By Application

##### 12.3.4.2.5. By Industry

### 12.3.5. Australia Smart Warehousing Market Outlook

#### 12.3.5.1. Market Size & Forecast

##### 12.3.5.1.1. By Value

#### 12.3.5.2. Market Share & Forecast

##### 12.3.5.2.1. By Component

##### 12.3.5.2.2. By Organization Size

##### 12.3.5.2.3. By Deployment Mode

##### 12.3.5.2.4. By Application

##### 12.3.5.2.5. By Industry

### **13. MARKET DYNAMICS**

#### 13.1. Drivers

#### 13.2. Challenges

### **14. MARKET TRENDS AND DEVELOPMENTS**

### **15. COMPANY PROFILES**

#### 15.1. Honeywell International Inc.

##### 15.1.1. Business Overview

##### 15.1.2. Key Revenue and Financials

##### 15.1.3. Recent Developments

##### 15.1.4. Key Personnel

##### 15.1.5. Key Product/Services Offered

#### 15.2. Siemens AG

##### 15.2.1. Business Overview

##### 15.2.2. Key Revenue and Financials

##### 15.2.3. Recent Developments

##### 15.2.4. Key Personnel

##### 15.2.5. Key Product/Services Offered

#### 15.3. Rockwell Automation Inc.

##### 15.3.1. Business Overview

##### 15.3.2. Key Revenue and Financials

##### 15.3.3. Recent Developments

##### 15.3.4. Key Personnel

##### 15.3.5. Key Product/Services Offered

#### 15.4. Schneider Electric SE

##### 15.4.1. Business Overview

##### 15.4.2. Key Revenue and Financials

##### 15.4.3. Recent Developments

##### 15.4.4. Key Personnel

- 15.4.5. Key Product/Services Offered
- 15.5. GE Vernova Group
  - 15.5.1. Business Overview
  - 15.5.2. Key Revenue and Financials
  - 15.5.3. Recent Developments
  - 15.5.4. Key Personnel
  - 15.5.5. Key Product/Services Offered
- 15.6. ABB Ltd.
  - 15.6.1. Business Overview
  - 15.6.2. Key Revenue and Financials
  - 15.6.3. Recent Developments
  - 15.6.4. Key Personnel
  - 15.6.5. Key Product/Services Offered
- 15.7. KION Group AG
  - 15.7.1. Business Overview
  - 15.7.2. Key Revenue and Financials
  - 15.7.3. Recent Developments
  - 15.7.4. Key Personnel
  - 15.7.5. Key Product/Services Offered
- 15.8. Jungheinrich AG
  - 15.8.1. Business Overview
  - 15.8.2. Key Revenue and Financials
  - 15.8.3. Recent Developments
  - 15.8.4. Key Personnel
  - 15.8.5. Key Product/Services Offered
- 15.9. SWISSLOG Group
  - 15.9.1. Business Overview
  - 15.9.2. Key Revenue and Financials
  - 15.9.3. Recent Developments
  - 15.9.4. Key Personnel
  - 15.9.5. Key Product/Services Offered
- 15.10. Smart Warehousing LLC
  - 15.10.1. Business Overview
  - 15.10.2. Key Revenue and Financials
  - 15.10.3. Recent Developments
  - 15.10.4. Key Personnel
  - 15.10.5. Key Product/Services Offered

## **16. STRATEGIC RECOMMENDATIONS**



## 17. ABOUT US & DISCLAIMER

## I would like to order

Product name: Smart Warehousing Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Hardware, Solutions, Services), By Organization Size (Small and Medium Enterprises, Large Enterprises), By Deployment Mode (On-Premises, Cloud), By Application (Transport Management, Inventory Management, Order Management), By Industry (Transportation & Logistics, Retail & Ecommerce, Food & Beverages, Others), By Region & Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/SDD630B48FE2EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SDD630B48FE2EN.html>