

# Global Autonomous Mobile Robots (AMR) Market Size, Manufacturers, Opportunities and Forecast to 2030

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## Abstracts

An autonomous mobile robot (AMR) is a robot that performs behaviors or tasks with a high degree of autonomy. The AMR relies on autonomous navigation where no wires, tape, GPS or other navigation markers are required. Its laser guidance system assures precise navigation, obstacle avoidance and human safety. The drive-around mapping with laptop adjustments enables fast and easy route updates and additions. The demands placed on the functionality of autonomous robotic systems are significantly higher compared to conventional industrial robots. The aim is that mobile systems operate autonomously in unknown and dynamic environments to fulfill their assigned tasks. For this purpose, it is essential to explore and model the environment in a suitable way. The information gathered by sensors has to be combined to allow for an accurate positioning. In addition, the perceived surroundings have to be consolidated in an exact map representation. Having acquired this knowledge, the robot is able to plan an optimal collision-free path to a given goal and to perform complex handling tasks.

According to APO Research, The global Autonomous Mobile Robots (AMR) market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North America is the largest region of autonomous mobile robots, with a market share about 40%, followed by Europe and China, etc. Swisslog (KUKA), Omron Adept and Geekplus Technology are the top 3 manufacturers of industry, and they had about 43% combined market share. In terms of product, LiDAR+vision based is the largest segment, with a share over 80%. And in terms of end-users, the largest application is logistics and warehouse, followed by manufacturing.

## Report Scope

This report aims to provide a comprehensive presentation of the global market for Autonomous Mobile Robots (AMR), with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Autonomous Mobile Robots (AMR).

The Autonomous Mobile Robots (AMR) market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Autonomous Mobile Robots (AMR) market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

## Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Swisslog (KUKA)

Omron Adept

Clearpath Robotics

Vecna

Mobile Industrial Robots

SMP Robotics

Cimcorp Automation

Aethon

Locus Robotics

Fetch Robotics

Geekplus Technology

6 River Systems

ForwardX Robotics

#### Autonomous Mobile Robots (AMR) segment by Type

LiDAR Based

LiDAR+Vision Based

#### Autonomous Mobile Robots (AMR) segment by Application

Hospitals and Healthcare

Manufacturing

Logistics and Warehouse

Others

#### Autonomous Mobile Robots (AMR) Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

## Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Autonomous Mobile Robots (AMR) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Autonomous Mobile Robots (AMR) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more

insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Autonomous Mobile Robots (AMR).

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Autonomous Mobile Robots (AMR) manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Autonomous Mobile Robots (AMR) in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Product Definition

#### 1.2 Global Market Growth Prospects

1.2.1 Global Autonomous Mobile Robots (AMR) Market Size Estimates and Forecasts (2019-2030)

1.2.2 Global Autonomous Mobile Robots (AMR) Sales Estimates and Forecasts (2019-2030)

#### 1.3 Autonomous Mobile Robots (AMR) Market by Type

1.3.1 LiDAR Based

1.3.2 LiDAR+Vision Based

#### 1.4 Global Autonomous Mobile Robots (AMR) Market Size by Type

1.4.1 Global Autonomous Mobile Robots (AMR) Market Size Overview by Type (2019-2030)

1.4.2 Global Autonomous Mobile Robots (AMR) Historic Market Size Review by Type (2019-2024)

1.4.3 Global Autonomous Mobile Robots (AMR) Forecasted Market Size by Type (2025-2030)

#### 1.5 Key Regions Market Size by Type

1.5.1 North America Autonomous Mobile Robots (AMR) Sales Breakdown by Type (2019-2024)

1.5.2 Europe Autonomous Mobile Robots (AMR) Sales Breakdown by Type (2019-2024)

1.5.3 Asia-Pacific Autonomous Mobile Robots (AMR) Sales Breakdown by Type (2019-2024)

1.5.4 Latin America Autonomous Mobile Robots (AMR) Sales Breakdown by Type (2019-2024)

1.5.5 Middle East and Africa Autonomous Mobile Robots (AMR) Sales Breakdown by Type (2019-2024)

### 2 GLOBAL MARKET DYNAMICS

2.1 Autonomous Mobile Robots (AMR) Industry Trends

2.2 Autonomous Mobile Robots (AMR) Industry Drivers

2.3 Autonomous Mobile Robots (AMR) Industry Opportunities and Challenges

2.4 Autonomous Mobile Robots (AMR) Industry Restraints



### **3 MARKET COMPETITIVE LANDSCAPE BY COMPANY**

- 3.1 Global Top Players by Autonomous Mobile Robots (AMR) Revenue (2019-2024)
- 3.2 Global Top Players by Autonomous Mobile Robots (AMR) Sales (2019-2024)
- 3.3 Global Top Players by Autonomous Mobile Robots (AMR) Price (2019-2024)
- 3.4 Global Autonomous Mobile Robots (AMR) Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Autonomous Mobile Robots (AMR) Key Company Manufacturing Sites & Headquarters
- 3.6 Global Autonomous Mobile Robots (AMR) Company, Product Type & Application
- 3.7 Global Autonomous Mobile Robots (AMR) Company Commercialization Time
- 3.8 Market Competitive Analysis
  - 3.8.1 Global Autonomous Mobile Robots (AMR) Market CR5 and HHI
  - 3.8.2 Global Top 5 and 10 Autonomous Mobile Robots (AMR) Players Market Share by Revenue in 2023
  - 3.8.3 2023 Autonomous Mobile Robots (AMR) Tier 1, Tier 2, and Tier

### **4 AUTONOMOUS MOBILE ROBOTS (AMR) REGIONAL STATUS AND OUTLOOK**

- 4.1 Global Autonomous Mobile Robots (AMR) Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global Autonomous Mobile Robots (AMR) Historic Market Size by Region
  - 4.2.1 Global Autonomous Mobile Robots (AMR) Sales in Volume by Region (2019-2024)
  - 4.2.2 Global Autonomous Mobile Robots (AMR) Sales in Value by Region (2019-2024)
  - 4.2.3 Global Autonomous Mobile Robots (AMR) Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global Autonomous Mobile Robots (AMR) Forecasted Market Size by Region
  - 4.3.1 Global Autonomous Mobile Robots (AMR) Sales in Volume by Region (2025-2030)
  - 4.3.2 Global Autonomous Mobile Robots (AMR) Sales in Value by Region (2025-2030)
  - 4.3.3 Global Autonomous Mobile Robots (AMR) Sales (Volume & Value), Price and Gross Margin (2025-2030)

### **5 AUTONOMOUS MOBILE ROBOTS (AMR) BY APPLICATION**

- 5.1 Autonomous Mobile Robots (AMR) Market by Application
  - 5.1.1 Hospitals and Healthcare
  - 5.1.2 Manufacturing

5.1.3 Logistics and Warehouse

5.1.4 Others

5.2 Global Autonomous Mobile Robots (AMR) Market Size by Application

5.2.1 Global Autonomous Mobile Robots (AMR) Market Size Overview by Application (2019-2030)

5.2.2 Global Autonomous Mobile Robots (AMR) Historic Market Size Review by Application (2019-2024)

5.2.3 Global Autonomous Mobile Robots (AMR) Forecasted Market Size by Application (2025-2030)

5.3 Key Regions Market Size by Application

5.3.1 North America Autonomous Mobile Robots (AMR) Sales Breakdown by Application (2019-2024)

5.3.2 Europe Autonomous Mobile Robots (AMR) Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific Autonomous Mobile Robots (AMR) Sales Breakdown by Application (2019-2024)

5.3.4 Latin America Autonomous Mobile Robots (AMR) Sales Breakdown by Application (2019-2024)

5.3.5 Middle East and Africa Autonomous Mobile Robots (AMR) Sales Breakdown by Application (2019-2024)

## **6 COMPANY PROFILES**

6.1 Swisslog (KUKA)

6.1.1 Swisslog (KUKA) Company Information

6.1.2 Swisslog (KUKA) Business Overview

6.1.3 Swisslog (KUKA) Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Swisslog (KUKA) Autonomous Mobile Robots (AMR) Product Portfolio

6.1.5 Swisslog (KUKA) Recent Developments

6.2 Omron Adept

6.2.1 Omron Adept Company Information

6.2.2 Omron Adept Business Overview

6.2.3 Omron Adept Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

6.2.4 Omron Adept Autonomous Mobile Robots (AMR) Product Portfolio

6.2.5 Omron Adept Recent Developments

6.3 Clearpath Robotics

6.3.1 Clearpath Robotics Company Information

- 6.3.2 Clearpath Robotics Business Overview
- 6.3.3 Clearpath Robotics Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)
- 6.3.4 Clearpath Robotics Autonomous Mobile Robots (AMR) Product Portfolio
- 6.3.5 Clearpath Robotics Recent Developments
- 6.4 Vecna
  - 6.4.1 Vecna Company Information
  - 6.4.2 Vecna Business Overview
  - 6.4.3 Vecna Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)
  - 6.4.4 Vecna Autonomous Mobile Robots (AMR) Product Portfolio
  - 6.4.5 Vecna Recent Developments
- 6.5 Mobile Industrial Robots
  - 6.5.1 Mobile Industrial Robots Company Information
  - 6.5.2 Mobile Industrial Robots Business Overview
  - 6.5.3 Mobile Industrial Robots Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)
  - 6.5.4 Mobile Industrial Robots Autonomous Mobile Robots (AMR) Product Portfolio
  - 6.5.5 Mobile Industrial Robots Recent Developments
- 6.6 SMP Robotics
  - 6.6.1 SMP Robotics Company Information
  - 6.6.2 SMP Robotics Business Overview
  - 6.6.3 SMP Robotics Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)
  - 6.6.4 SMP Robotics Autonomous Mobile Robots (AMR) Product Portfolio
  - 6.6.5 SMP Robotics Recent Developments
- 6.7 Cimcorp Automation
  - 6.7.1 Cimcorp Automation Company Information
  - 6.7.2 Cimcorp Automation Business Overview
  - 6.7.3 Cimcorp Automation Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)
  - 6.7.4 Cimcorp Automation Autonomous Mobile Robots (AMR) Product Portfolio
  - 6.7.5 Cimcorp Automation Recent Developments
- 6.8 Aethon
  - 6.8.1 Aethon Company Information
  - 6.8.2 Aethon Business Overview
  - 6.8.3 Aethon Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)
  - 6.8.4 Aethon Autonomous Mobile Robots (AMR) Product Portfolio

#### 6.8.5 Aethon Recent Developments

### 6.9 Locus Robotics

#### 6.9.1 Locus Robotics Company Information

#### 6.9.2 Locus Robotics Business Overview

#### 6.9.3 Locus Robotics Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

#### 6.9.4 Locus Robotics Autonomous Mobile Robots (AMR) Product Portfolio

#### 6.9.5 Locus Robotics Recent Developments

### 6.10 Fetch Robotics

#### 6.10.1 Fetch Robotics Company Information

#### 6.10.2 Fetch Robotics Business Overview

#### 6.10.3 Fetch Robotics Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

#### 6.10.4 Fetch Robotics Autonomous Mobile Robots (AMR) Product Portfolio

#### 6.10.5 Fetch Robotics Recent Developments

### 6.11 Geekplus Technology

#### 6.11.1 Geekplus Technology Company Information

#### 6.11.2 Geekplus Technology Business Overview

#### 6.11.3 Geekplus Technology Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

#### 6.11.4 Geekplus Technology Autonomous Mobile Robots (AMR) Product Portfolio

#### 6.11.5 Geekplus Technology Recent Developments

### 6.12 6 River Systems

#### 6.12.1 6 River Systems Company Information

#### 6.12.2 6 River Systems Business Overview

#### 6.12.3 6 River Systems Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

#### 6.12.4 6 River Systems Autonomous Mobile Robots (AMR) Product Portfolio

#### 6.12.5 6 River Systems Recent Developments

### 6.13 ForwardX Robotics

#### 6.13.1 ForwardX Robotics Company Information

#### 6.13.2 ForwardX Robotics Business Overview

#### 6.13.3 ForwardX Robotics Autonomous Mobile Robots (AMR) Sales, Revenue and Gross Margin (2019-2024)

#### 6.13.4 ForwardX Robotics Autonomous Mobile Robots (AMR) Product Portfolio

#### 6.13.5 ForwardX Robotics Recent Developments

## 7 NORTH AMERICA BY COUNTRY

## 7.1 North America Autonomous Mobile Robots (AMR) Sales by Country

7.1.1 North America Autonomous Mobile Robots (AMR) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.1.2 North America Autonomous Mobile Robots (AMR) Sales by Country (2019-2024)

7.1.3 North America Autonomous Mobile Robots (AMR) Sales Forecast by Country (2025-2030)

## 7.2 North America Autonomous Mobile Robots (AMR) Market Size by Country

7.2.1 North America Autonomous Mobile Robots (AMR) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Autonomous Mobile Robots (AMR) Market Size by Country (2019-2024)

7.2.3 North America Autonomous Mobile Robots (AMR) Market Size Forecast by Country (2025-2030)

## 8 EUROPE BY COUNTRY

### 8.1 Europe Autonomous Mobile Robots (AMR) Sales by Country

8.1.1 Europe Autonomous Mobile Robots (AMR) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Autonomous Mobile Robots (AMR) Sales by Country (2019-2024)

8.1.3 Europe Autonomous Mobile Robots (AMR) Sales Forecast by Country (2025-2030)

### 8.2 Europe Autonomous Mobile Robots (AMR) Market Size by Country

8.2.1 Europe Autonomous Mobile Robots (AMR) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Autonomous Mobile Robots (AMR) Market Size by Country (2019-2024)

8.2.3 Europe Autonomous Mobile Robots (AMR) Market Size Forecast by Country (2025-2030)

## 9 ASIA-PACIFIC BY COUNTRY

### 9.1 Asia-Pacific Autonomous Mobile Robots (AMR) Sales by Country

9.1.1 Asia-Pacific Autonomous Mobile Robots (AMR) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Autonomous Mobile Robots (AMR) Sales by Country (2019-2024)

9.1.3 Asia-Pacific Autonomous Mobile Robots (AMR) Sales Forecast by Country (2025-2030)

### 9.2 Asia-Pacific Autonomous Mobile Robots (AMR) Market Size by Country

9.2.1 Asia-Pacific Autonomous Mobile Robots (AMR) Market Size Growth Rate

(CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Autonomous Mobile Robots (AMR) Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Autonomous Mobile Robots (AMR) Market Size Forecast by Country (2025-2030)

## **10 LATIN AMERICA BY COUNTRY**

10.1 Latin America Autonomous Mobile Robots (AMR) Sales by Country

10.1.1 Latin America Autonomous Mobile Robots (AMR) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Autonomous Mobile Robots (AMR) Sales by Country (2019-2024)

10.1.3 Latin America Autonomous Mobile Robots (AMR) Sales Forecast by Country (2025-2030)

10.2 Latin America Autonomous Mobile Robots (AMR) Market Size by Country

10.2.1 Latin America Autonomous Mobile Robots (AMR) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Autonomous Mobile Robots (AMR) Market Size by Country (2019-2024)

10.2.3 Latin America Autonomous Mobile Robots (AMR) Market Size Forecast by Country (2025-2030)

## **11 MIDDLE EAST AND AFRICA BY COUNTRY**

11.1 Middle East and Africa Autonomous Mobile Robots (AMR) Sales by Country

11.1.1 Middle East and Africa Autonomous Mobile Robots (AMR) Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Autonomous Mobile Robots (AMR) Sales by Country (2019-2024)

11.1.3 Middle East and Africa Autonomous Mobile Robots (AMR) Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Autonomous Mobile Robots (AMR) Market Size by Country

11.2.1 Middle East and Africa Autonomous Mobile Robots (AMR) Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Autonomous Mobile Robots (AMR) Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Autonomous Mobile Robots (AMR) Market Size Forecast by Country (2025-2030)



## **12 VALUE CHAIN AND SALES CHANNELS ANALYSIS**

### 12.1 Autonomous Mobile Robots (AMR) Value Chain Analysis

12.1.1 Autonomous Mobile Robots (AMR) Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Autonomous Mobile Robots (AMR) Production Mode & Process

### 12.2 Autonomous Mobile Robots (AMR) Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Autonomous Mobile Robots (AMR) Distributors

12.2.3 Autonomous Mobile Robots (AMR) Customers

## **13 CONCLUDING INSIGHTS**

## **14 APPENDIX**

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

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