

Robotics as a Service (RaaS) Market Size, Share & Forecast (2025-2034): USD 10.41 Billion Projection at 18.20% CAGR

The global robotics as a service (RaaS) market size was worth around USD 1.96 billion in 2024 and is predicted to grow to around USD 10.41 billion by 2034

PUNE, MAHARASHTRA, INDIA, August 4, 2025 /EINPresswire.com/ -- Executive Summary:

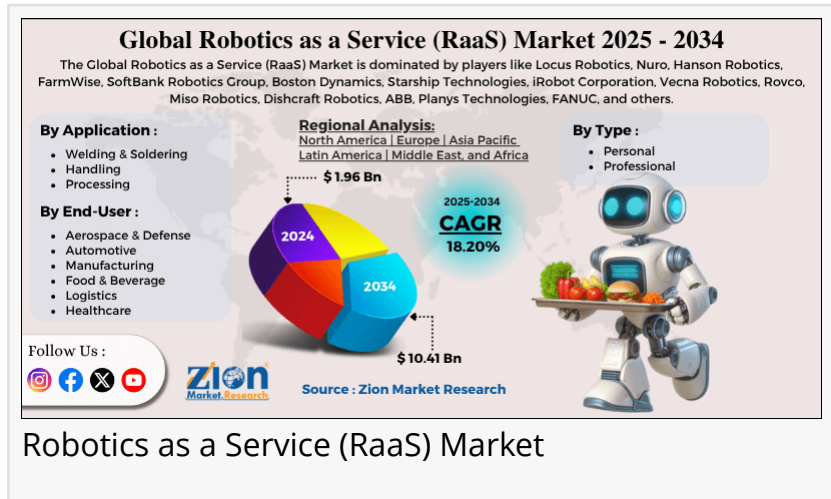
The [global Robotics as a Service \(RaaS\) market](#) was valued at approximately USD 1.96 billion in 2024 and is projected to reach USD 10.41 billion by

2034, growing at a compound annual growth rate (CAGR) of 18.20% from 2025 to 2034. This rapid market expansion is fueled by the rising need for cost-efficient automation, the proliferation of smart technologies, growing e-commerce demand, and the shortage of skilled labor in various industries.

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Global robotics as a service (RaaS) market size was worth around USD 1.96 billion in 2024 and is predicted to grow to around USD 10.41 billion by 2034, (CAGR) of roughly 18.20% between 2025 and 2034.”

Deepak Rupnar



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RaaS transforms robotics from a capital-intensive investment into an on-demand, subscription-based solution, enabling even small and mid-sized enterprises (SMEs) to access cutting-edge automation without heavy upfront costs.

Key Insights:

As per the analysis shared by our research analyst, the global robotics as a service (RaaS) market is estimated to grow annually at a CAGR of around 18.20% over the forecast period (2025-2034). In terms of revenue, the global robotics as a service (RaaS) market size was valued at around

USD 1.96 billion in 2024 and is projected to reach USD 10.41 billion by 2034.

The robotics as a service market is projected to grow at a significant rate due to the increasing demand for robots across industries.

Based on the type, the professional segment is growing at a high rate and will continue to dominate the global market as per industry projections.

Based on the end-user vertical, the logistics segment is anticipated to command the largest market share.

Based on region, Asia-Pacific is projected to dominate the global market during the forecast period.

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Market Drivers:

□ 1. Cost-Effective Automation for All Business Sizes:

RaaS eliminates the need for heavy CapEx, making robotics accessible to startups, SMEs, and mid-tier manufacturers.

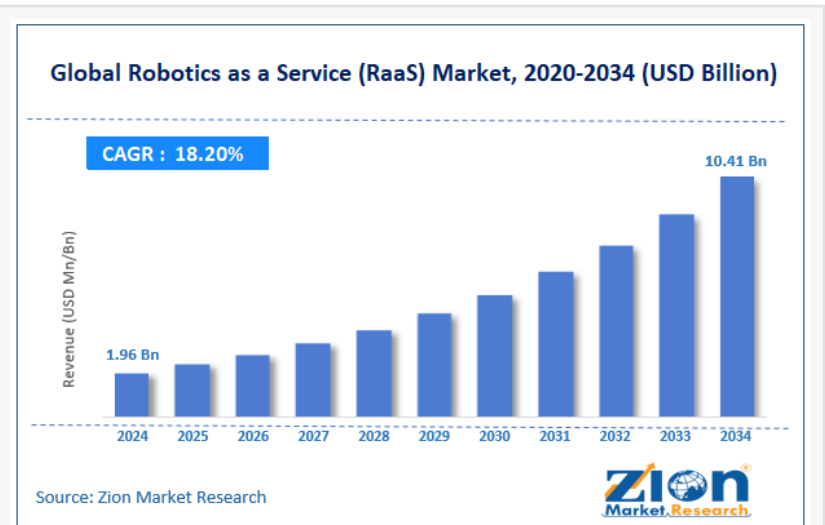
Enables businesses to scale automation based on demand without long-term commitment.

□ 2. Adoption of Cloud and AI Technologies:

Integration of AI, IoT, and cloud computing allows centralized control, predictive maintenance, and performance optimization of robotic fleets.

Facilitates real-time decision-making and remote monitoring.

□ 3. E-Commerce and Warehousing Boom:



Robotics as a Service (RaaS) Market Size



Robotics as a Service (RaaS) Market Competitive Analysis

Skyrocketing demand for automated logistics, picking, sorting, and last-mile delivery is pushing retail and logistics firms toward RaaS models.

Major players in warehousing are shifting to robotic services for flexibility and scalability.

□□□ 4. Labor Shortage and Aging Workforce:

Acute labor gaps in manufacturing, healthcare, agriculture, and logistics have accelerated the adoption of RaaS to fill productivity voids.

Market Challenges:

Cybersecurity Risks: With cloud-based robotic systems, concerns about data breaches, unauthorized access, and system hacks are rising.

Integration Complexity: Compatibility with legacy systems and workforce resistance can hinder seamless RaaS integration.

Network Reliability: Real-time performance of RaaS depends heavily on robust connectivity and minimal latency, especially in remote regions.

Opportunities:

Healthcare & Elderly Care Robotics: High potential for RaaS in surgical assistance, patient transport, elder support, and sanitation robots.

Agriculture Automation: As precision agriculture grows, RaaS enables access to weeding, harvesting, and soil-monitoring robots for small farms.

Disaster Recovery & Public Safety: Use of robots for search-and-rescue, firefighting, surveillance, and hazardous material handling is expanding under service models.

Market Segmentation:

□ By Type:

Personal RaaS

Professional RaaS

□ By Application:

Logistics & Warehousing

Healthcare & Medical

Manufacturing & Industrial

Agriculture

Defense & Security

Retail & Hospitality

Construction

Others (Cleaning, Surveillance, etc.)

□ By End-User:

Small & Medium Enterprises (SMEs)

Large Enterprises

Government & Municipalities

Regional Insights:

□ North America:

Dominates the market due to early adoption, strong robotics startups, and demand from e-commerce and healthcare sectors.

Notable players: Amazon Robotics, Locus Robotics, Knightscope.

□ Europe:

Rapid adoption in automotive manufacturing, warehousing, and food & beverage industries.

High interest in cobot-as-a-service (collaborative robots).

□ Asia-Pacific:

Fastest-growing market driven by China, Japan, South Korea, and India.

Strong push for automation in manufacturing, construction, and agriculture.

□ Latin America & MEA:

Emerging opportunities in security robots, logistics hubs, and agriculture.

Government incentives supporting smart automation in sectors like mining and food processing.

Competitive Landscape:

The RaaS market is highly competitive, marked by innovative partnerships, mergers, and rapid advancements in autonomous navigation, vision systems, and AI integration.

The global robotics as a service (RaaS) market is led by players like:

Locus Robotics
Nuro
Hanson Robotics
FarmWise
SoftBank Robotics Group
Boston Dynamics
Starship Technologies
iRobot Corporation
Vecna Robotics
Rovco
Miso Robotics
Dishcraft Robotics
ABB
Planys Technologies
FANUC

Inquiry For Buying-<https://www.zionmarketresearch.com/inquiry/robotics-as-a-service-raas-market>

Recent Developments:

2024: Locus Robotics expanded its RaaS model to South America, targeting large e-commerce fulfillment centers.

2023: Amazon launched warehouse robotics as a managed service for external businesses under its AWS division.

2023: Sarcos Robotics partnered with U.S. utilities to deploy RaaS-based exoskeletons and inspection bots.

Future Outlook:

As more industries seek agile, scalable, and outcome-driven automation, RaaS will become a default delivery model for robotics across the globe. With strong VC backing, rapid AI advancements, and widespread 5G rollout, the future of RaaS is expected to integrate seamlessly into Industry 4.0, smart cities, and digital healthcare ecosystems.

Conclusion:

The global RaaS market is poised to grow from USD 1.96 billion in 2024 to USD 10.41 billion by 2034, representing a CAGR of 18.20%. RaaS is set to redefine operational efficiency, reduce costs, and democratize access to robotics — ultimately enabling "Automation-as-a-Service" to become a core pillar of modern industry.

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