

Robot as a Service (RaaS) Industry Outlook 2025–2032 | Global Value to Hit USD 8.2 Billion at 18% CAGR

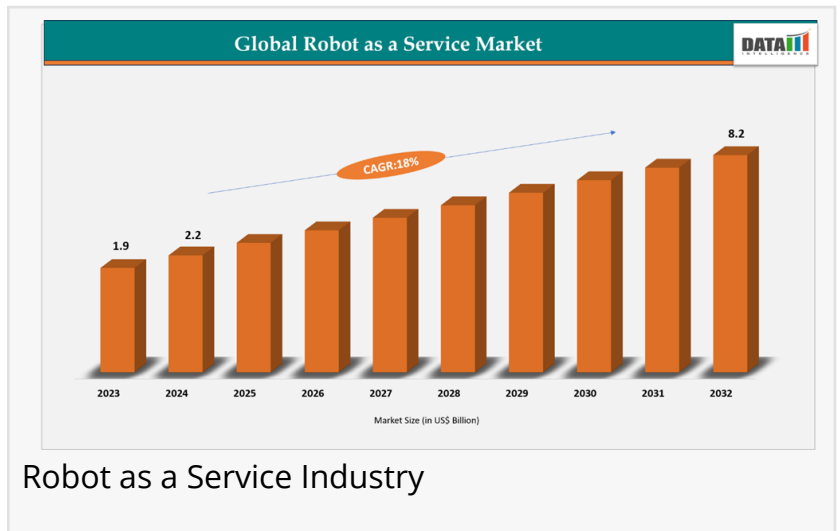
Robot as a Service Market Trends 2025–2032 | Global Growth Driven by AI & Automation

AUSTIN, TX, UNITED STATES, October 28, 2025 /EINPresswire.com/ -- Robot as a Service Industry Overview

The Robot as a Service (RaaS) market is transforming the global automation landscape by shifting robotics from capital-intensive assets to scalable, service-based solutions. This model where users lease or subscribe to robotic systems rather than purchasing them outright is enabling businesses of all sizes to adopt advanced automation with minimal upfront investment. According to DataM Intelligence, the RaaS market is poised for robust expansion, driven by digital transformation, labor shortages, and the integration of artificial intelligence (AI) into robotics.



USA Robot as a Service Industry Analysis | Market to Reach USD 8.2 Billion by 2032, 18% CAGR Growth”
DataM Intelligence 4Market Research LLP



Market Size and Growth

According to DataM Intelligence released a Comprehensive Report on [Robot-as-a-Service \(RaaS\) market](#) was valued at USD 2.2 billion in 2024 and is projected to reach USD 8.2 billion by 2032, expanding at a CAGR of 18% during the

forecast period 2025–2032. The strong growth trajectory is supported by the convergence of robotics, cloud computing, and subscription-based business models that align with modern operational and financial needs.

Industries such as manufacturing, logistics, healthcare, and retail are adopting RaaS to overcome workforce constraints, improve efficiency, and increase flexibility in operations. The technology's adaptability allows for quick deployment, on-demand scalability, and seamless integration with

existing systems all of which are essential in today's volatile market environment.

Industry Size and Forecast

2024 Market Size: US\$ 2.2Billion

2032 Projected Market Size: US\$ 8.2 Billion

CAGR (2025-2032): 18%

Largest Market: North America

Fastest Market: Asia-Pacific

Get a Sample PDF Of This Report (Get Higher Priority for Corporate Email ID):-

<https://www.datamintelligence.com/download-sample/robot-as-a-service-market>

Key Industry Developments

In September 2025, L&T Technology Services partnered with SiMa.ai, a Silicon Valley leader in Physical AI, to develop advanced AI-powered solutions for mobility, healthcare, industrial automation, and robotics, accelerating innovation in robot-as-a-service applications.

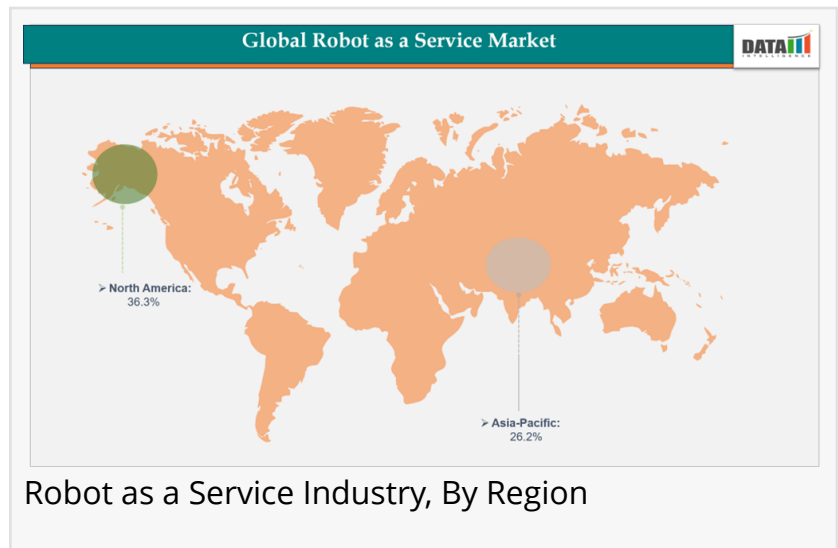
In August 2025, Serve Robotics acquired Vayu Robotics, boosting its AI-based navigation technology and expanding into Asia-Pacific markets highlighting the region's rising influence in automation and smart robotics.

In October 2025, Robo.ai Inc. and Changer.ae launched "Roboy339", the world's first smart vehicle with a digital wallet, unveiled at TOKEN2049. This milestone showcases the fusion of AI, mobility, and finance, marking a new era in personal service robotics and robot-as-a-service innovation.

Key Market Drivers

Labor Shortages and Rising Operational Costs

The post-pandemic economy has intensified labor challenges, especially in manufacturing and logistics. RaaS offers an affordable alternative by automating repetitive tasks while minimizing capital expenditure.



AI and Cloud Integration

The fusion of AI with robotics enables autonomous navigation, predictive maintenance, and adaptive learning. Cloud-based platforms allow remote monitoring and real-time performance optimization, creating a continuous improvement loop for clients.

Flexible Subscription Models

Businesses can rent robots on hourly, monthly, or output-based contracts, converting fixed costs into variable costs. This “pay-as-you-use” flexibility is appealing to small and medium-sized enterprises (SMEs) seeking agility and lower financial risk.

Rapid Industrial Digitalization

The global shift toward Industry 4.0 and smart factories is boosting RaaS adoption, as companies seek scalable automation solutions that support data-driven decision-making.

Market Segmentation

By Type: (Professional Service Robots, Personal Service Robots)

By Service Model: (Pay-as-you-go (On-demand), Subscription/Leasing Model, Hybrid Model)

By Deployment: (Cloud-based, On-premises)

By End-User: (Automotive, E-commerce & Retail, Healthcare, Food & Beverage, Aerospace & Defense, Agriculture, Education, Others)

By Region: (North America, South America, Europe, Asia-Pacific, Middle East and Africa)

Have any Enquiry of This Report @ <https://www.datamintelligence.com/enquiry/robot-as-a-service-market>

Regional Insights

Rising Adoption of Automation and AI in North America

In 2024, North America led the global Robot-as-a-Service (RaaS) market, fueled by strong demand from automotive, aerospace, logistics, and industrial sectors. Advanced infrastructure, mature AI ecosystems, and a focus on efficiency drive widespread use of autonomous robots for delivery, inspection, and material handling.

Example: In August 2025, Serve Robotics Inc. acquired Vayu Robotics to boost AI-based

navigation and autonomous delivery capabilities underscoring the region's innovation momentum.

U.S. Robot-as-a-Service Market Outlook

The U.S. market continues to grow rapidly, supported by robotics adoption in logistics, healthcare, and manufacturing. In June 2025, SoftBank Robotics America launched SoftBank Robotics Connect, enhancing management of diverse autonomous fleets highlighting the country's shift toward intelligent and connected robotic ecosystems.

Canada Robot-as-a-Service Market Trends

Canada's RaaS market, though smaller, is expanding with adoption across manufacturing and healthcare. Collaborations between domestic innovators and global robotics firms are driving automation and operational efficiency nationwide.

Asia-Pacific: The Fastest-Growing Region

The Asia-Pacific region is emerging as the fastest-growing RaaS market, backed by industrialization, smart manufacturing, and AI integration in China, Japan, South Korea, and India. In August 2025, Serve Robotics expanded into Asia-Pacific by acquiring Vayu Robotics, reinforcing the region's global automation leadership.

India: Rapid Growth through Innovation

India's RaaS sector is accelerating with government support and rising automation in logistics and manufacturing. In July 2025, Zoho Corporation acquired Asimov Robotics, boosting domestic innovation under Make in India.

China: Powerhouse of Intelligent Robotics

China continues to dominate with strong manufacturing capabilities and large-scale AI deployment. In June 2025, Richtech Robotics secured a multibillion-dollar deal with Beijing Tongchuang Technology, underscoring China's global leadership in service robotics.

Technological Trends

AI-Powered Robots: Continuous learning systems enable predictive analytics, allowing robots to adapt autonomously to real-time conditions.

Edge Computing: Integration of edge processing minimizes latency in control systems, enhancing real-time decision accuracy.

Human-Robot Collaboration (Cobots): Cobots designed for shared workspaces are redefining productivity in manufacturing and healthcare.

Cybersecurity in Robotics: As connected robots proliferate, data protection and network security are becoming critical areas of investment.

Competitive Landscape

1. ABB
2. Locus Robotics.
3. Aethon, Inc.
4. Berkshire Grey.
5. Zebra Technologies Corp
6. Cobalt AI
7. Ademco Global
8. FANUC CORPORATION
9. Exotec
10. Vectis Automation LLC

Get Customization in the report as per your requirements:-

<https://www.datamintelligence.com/customize/robot-as-a-service-market>

Recent developments reflect accelerating momentum:

In March 2025, SoftBank Robotics announced the expansion of its RaaS platform for hospitality robots in North America.

In June 2025, ABB launched a modular RaaS program targeting SMEs, allowing flexible scaling of robot fleets via a subscription interface.

Strategic Recommendations by DataM Intelligence

Develop Vertical-Specific Solutions: Tailor RaaS offerings for niche industries such as agriculture, healthcare, and construction to capture emerging demand.

Invest in Cloud & AI Capabilities: Enhanced predictive maintenance and analytics will differentiate offerings and improve client retention.

Strengthen Cybersecurity Measures: Building trust through data protection is critical as robots become interconnected across industries.

Expand Partnerships and Leasing Networks: Collaborating with logistics, manufacturing, and healthcare service providers can expand customer reach globally.

Conclusion

The Robot as a Service market marks a pivotal shift toward democratized automation offering access, flexibility, and efficiency to organizations previously constrained by high capital costs. By integrating robotics with AI, IoT, and cloud ecosystems, RaaS delivers measurable productivity gains and long-term sustainability.

According to DataM Intelligence, the future belongs to hybrid models blending hardware, analytics, and services. Companies that embrace these innovations early will lead the next wave of intelligent automation across global industries.

Buy Now & Unlock 360° Market Intelligence:- <https://www.datamintelligence.com/buy-now-page?report=robot-as-a-service-market>

Related Reports:

[Disinfection Robot](#)

[Humanoid Robot Market](#)

Sai Kiran

DataM Intelligence 4Market Research LLP

+1 877-441-4866

sai.k@datamintelligence.com

Visit us on social media:

[LinkedIn](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/862166402>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.