

Robotics & Autonomous Machines Intelligence Service

Part of the AI & Intelligent Automation Service Area Package

This Intelligence Service analyzes global market trends and applications for robotics and related autonomous machine technologies within consumer, enterprise, and industrial markets. It provides a deep examination of the technology dynamics, specifically AI which continues the advancement of the robotics industry, matching those technological capabilities with the use cases that will create real-world value in the years to come. Reports within the service provide a comprehensive assessment of more than 20 distinct application markets for robotics, use cases, vendor platforms and robotics components. Reports include detailed profiling of key industry players, notable product introductions, and market forecasts by geography and application segment.

“ The future of Robotics is largely in the non-industrial domain with 10×–12× larger market opportunity than industrial Robotics, as Robotics become autonomous machines where AI brings capabilities around vision, language and navigation. ”

Glenn Sanders
Senior Analyst

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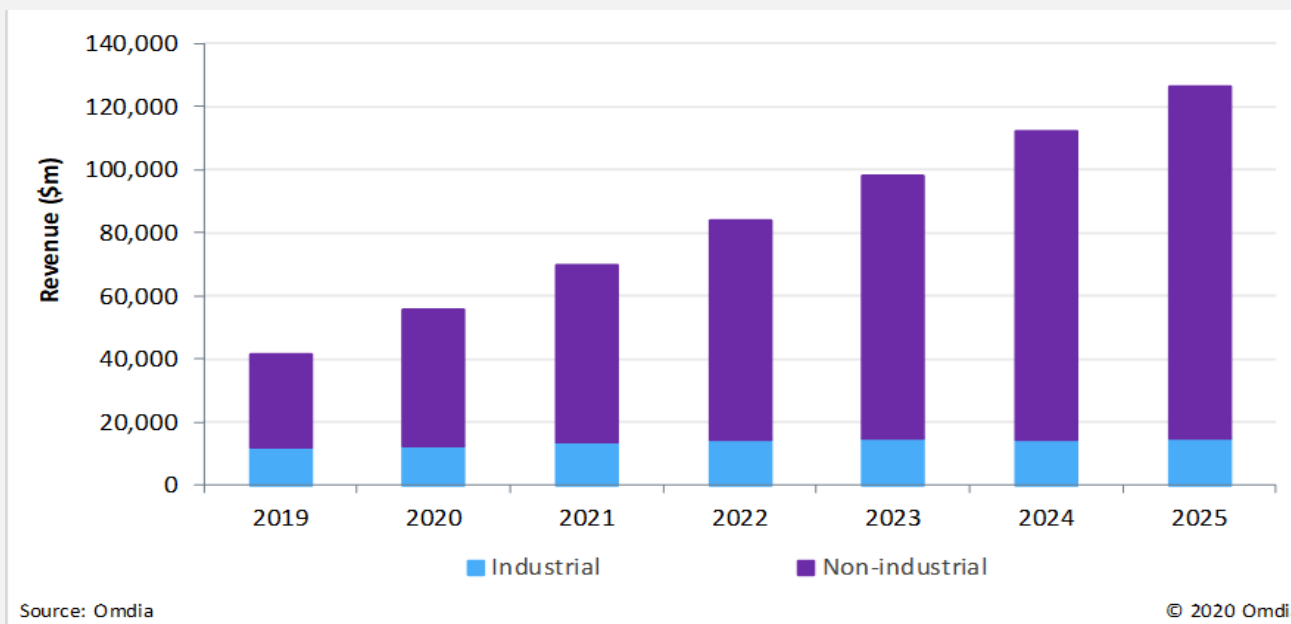
HOW OMDIA HELPS YOU

- Learn about the new and upcoming areas of robotics
- Understand the capabilities of robotics companies across the value chain from components to platforms.
- Map out the robotics market landscape across vertical markets and horizontal stack
- Explore new business models being offered

KEY QUESTIONS ADDRESSED

- What are the market forecasts by geography and application segment?
- Who are the key industry players?
- What were the notable product introductions?
- Lens on the emerging areas of robotics, AI and autonomy

Robotic components revenue by industry, world markets: 2019 – 2025



Robotics & Autonomous Machines: Meet the Analysts



Aditya Kaul
Research Director,
AI &
Intelligent Automation



Glenn Sanders
Senior Analyst,
Robotics &
Autonomous Machines



Alexander Harowell
Senior Analyst,
Enterprise AI

Robotics & Autonomous Machines: Deliverables



FORECASTS

—Annual—

- Robotics and Autonomous Machines Market Forecasts



VENDOR BENCHMARKS

—Annual—

- Robot and Autonomous Machines Categories
 - (vary by year)



REPORTS

—Annual—

- Series of Robotics and Autonomous Machines Research Reports



ANALYST INSIGHTS

—Ongoing—

Analyst commentary on market shifts, technology and regional developments, vendors, events, and more.



PRESENTATIONS

—Quarterly—

Quarterly scheduled briefings with analysts on research highlights from all aspects of the market.



ANALYST ACCESS

—Ongoing—

For prompt responses to urgent and unique questions.

Robotics & Autonomous Machines: Market Data

Robotics Market Forecast

Provides global market data segmented by region, application, and enabling technology, as well as technology attach rates.

DETAILS

Frequency: Annually

Details: Covers these robot categories: Consumer, Enterprise, Industrial, Healthcare, Military, Unmanned Aerial Vehicles, and Autonomous Vehicles

Regions

- North America
- Latin America
- Europe
- Middle East and Africa
- Asia Pacific

COVERAGE

- Automotive
- Electrical/Electronics
- Others
- Industrial
- Agriculture
- Construction
- Toy and Educational
- Exoskeleton/Prosthetics
- Hospital
- Household
- Logistics
- Surgical
- Telepresence
- Military Demining
- Military UAV
- Military UGV
- Military UMS
- Consumer UAV
- Commercial UAV
- Consumer AV
- Commercial AV
- Military Exoskeletons
- Customer Service
- Others Enterprise

Collaborative Robot Vendor Benchmarking

The vendor benchmarking examines six leading cobot manufacturers and provides insight into their technologies and applications across the major industrial and enterprise segments and includes recommendations for vendors and end users.

DETAILS

Frequency: Varies

COVERAGE

The report includes information on crucial market drivers, challenges, and industry applications for their products and provides a heatmap that illustrates some of their relative strengths.

Robotics & Autonomous: Market Reports

Drones, Autonomous Vehicles, Robotic Components, Cloud Robotics

Frequency: Annual

A Series of 8 or more Robotics & Autonomous Machines Research Reports

Back catalogue of all published Advanced Computing research reports Key topics covered including:

- Commercial & Consumer Drones
- Autonomous Vehicles
- Consumer Robotics
- Healthcare Robots
- Enterprise Robotics
- Warehouse and Logistics Robots
- Collaborative Robots
- Cloud Robotics
- Robotics Components
- Robotics Platforms

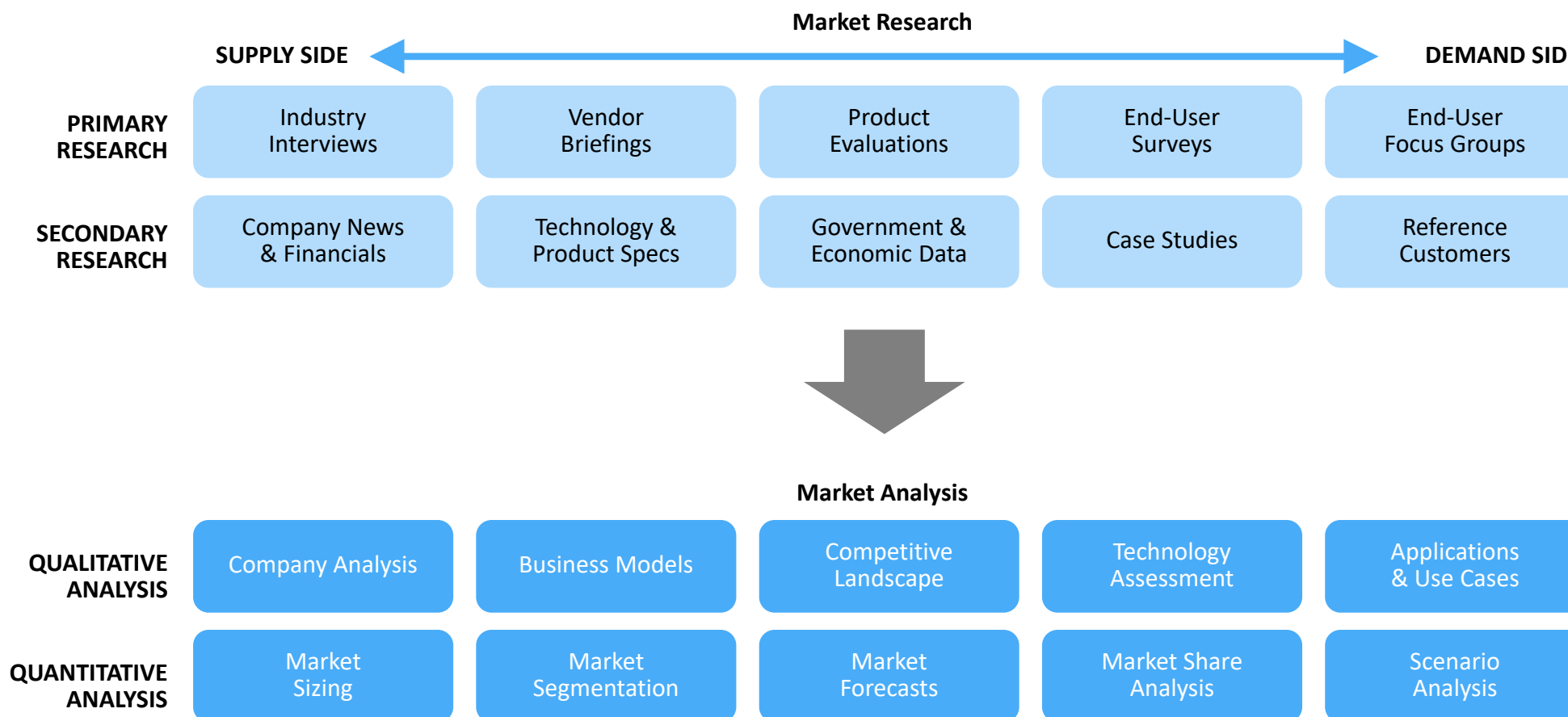
Regions

- North America
- Latin America
- Europe
- Middle East and Africa
- Asia Pacific

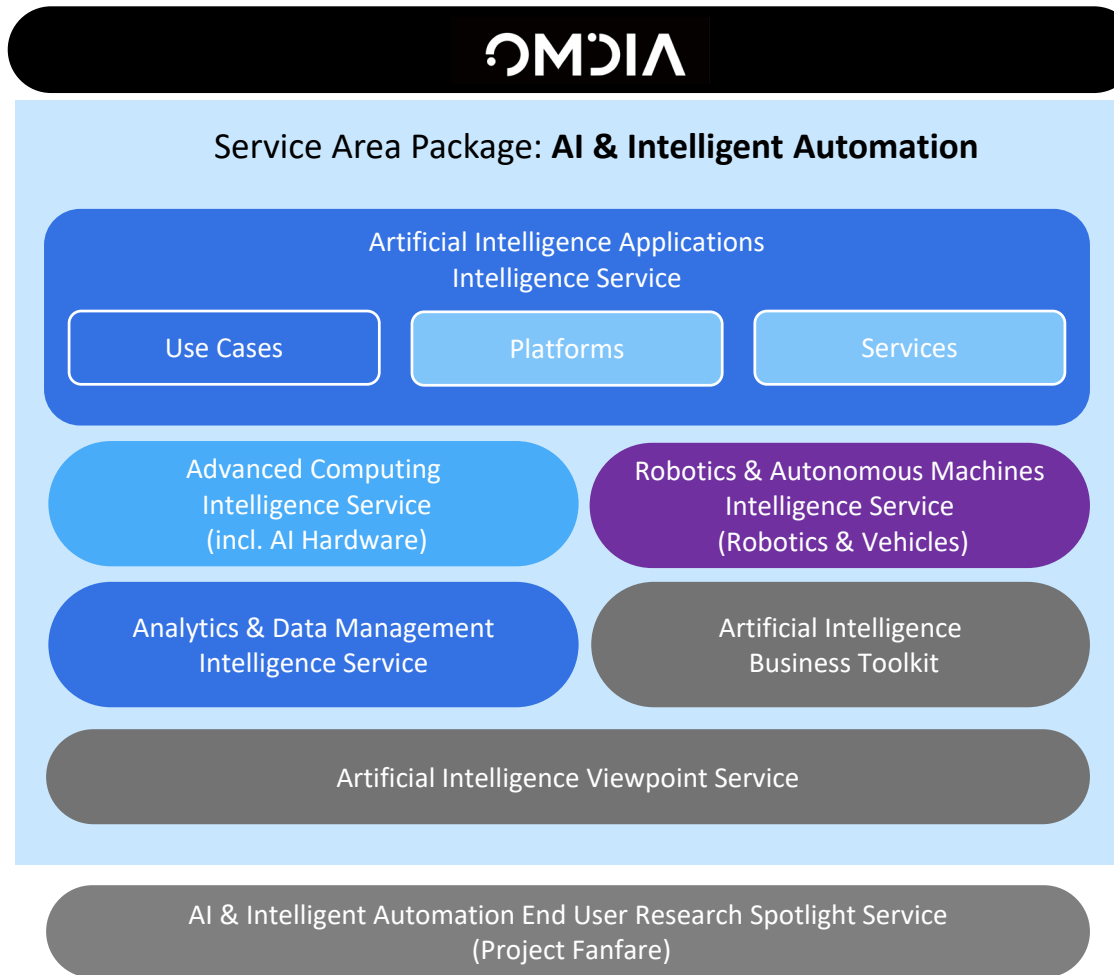
Report Titles

- Delivery Robots and Drones
- Exoskeletons
- Robotic Components
- Robotics Market Ecosystem
- Collaborative Robots Market Radar (concise overview)
- Collaborative Robots (full report)
- Drones for Commercial Applications
- Robotics Market Forecasts
- Cloud Robotics
- Construction & Demolition Robots

Robotics & Autonomous Machines: Research Methodology



Related Content: AI & Intelligent Automation Service Area Coverage



About Omdia’s AI & Intelligent Automation Research

The AI & Intelligent Automation research area provides a full-stack view of AI across applications, software, hardware and services. There is coverage across a wide variety of companies from AI startups, hyperscalers, chipset vendors, cloud providers, OEMs, IT vendors, AI platform vendors, AI and IT services companies, as well as several end user companies deploying AI across different vertical markets.

AI is beginning to move from proof of concept (PoC) into a stage of industrialization, with vendors and end users looking to understanding the business of AI. Omdia’s AI business toolkit is aimed at bridging the gap between the technology and the economic value of AI, giving clients a range of tools to benchmark, measure and plan around the commercialization of AI.

To complete the circle, AI & Intelligent Automation also covers the impact of AI and automation from the perspective of AI hardware for cloud and edge, robots, autonomous machines and the next-generation compute stack from quantum computing to HPC that is emerging to support new applications and services.

Our “Ask an Analyst” Service Provides Best in Class Customer Support

Whether you need guidance to navigate the service, information regarding our methodologies or you want to better understand a data trend, Omdia’s support team is here to help.

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- Sanity-check your own findings
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Our Ask an Analyst service gives you direct contact via telephone, email or face-to-face session with our expert analyst team:



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ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today's constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.