

Fishing Drones Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Fixed Wing, Rotary Wing), By Payload Capacity (Below 1 Kg, 1 To 2 Kg, Above 2 Kg), By Application

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Abstracts

The Fishing Drones Market is valued at USD 1015 million in 2025 and is projected to grow at a CAGR of 10.9% to reach USD 2571.3 million by 2034. The fishing drones market is gaining significant momentum as technological advancements in drone capabilities and their applications in the fishing industry continue to emerge. Fishing drones provide an innovative solution for improving the efficiency and effectiveness of fishing operations by offering features such as real-time fish tracking, monitoring water conditions, and providing detailed aerial views of fishing grounds. These drones are equipped with high-resolution cameras, GPS, and other sensors, enabling fishermen to locate fish more accurately, assess environmental conditions, and reduce the time spent searching for fishing spots. The growing demand for sustainable and efficient fishing practices is a key driver for the adoption of fishing drones. Additionally, the rise of recreational drone use in fishing has opened new avenues for hobbyists and enthusiasts to improve their fishing experience. The increasing use of drones for marine conservation and monitoring of fish stocks also presents significant opportunities for growth in this market. As drone technology continues to improve, their affordability and accessibility are expected to increase, leading to wider adoption across both commercial and recreational fishing sectors. The fishing drones market is seeing remarkable advancements in drone functionality, with a particular focus on enhanced battery life, payload capacity, and autonomous flight systems. Companies are integrating AI and machine learning algorithms into drones, allowing them to better analyze fish behavior and environmental conditions, which can lead to more efficient fishing practices. Furthermore, some fishing drones are now capable of deploying bait and lures remotely, allowing for more accurate targeting of specific fish species. The

development of drones with advanced imaging and thermal capabilities is also making it easier for fishermen to locate schools of fish in deeper or murkier waters. The commercial fishing industry, especially in sectors such as offshore fishing, is increasingly adopting these drones to enhance productivity and reduce operational costs. Regulatory frameworks surrounding drone usage in fisheries and marine environments are becoming more defined, helping to ensure that drone technology is used in a sustainable and legal manner. As drone manufacturers continue to innovate, the market is expected to benefit from continuous improvements in operational efficiency, making fishing drones even more valuable for businesses and recreational users alike. The fishing drones market is expected to experience significant growth as more innovations are introduced in terms of automation and integration with other technologies. Future fishing drones will likely feature fully autonomous capabilities, allowing them to operate without human intervention for extended periods, further increasing their utility in commercial fishing operations. Integration with blockchain for real-time data sharing and secure fish stock monitoring is also anticipated, ensuring more transparency and sustainability in the fishing industry. With increasing concerns about overfishing and the need for better management of marine resources, drones will play a pivotal role in monitoring fish populations and ensuring the sustainability of fishing practices. Additionally, drones will likely become more integrated into smart fishing systems, working alongside AI-powered software to offer predictive analytics and optimize fishing operations. As the technology becomes more affordable, both small-scale and large-scale fisheries are expected to adopt drones, further boosting the market's growth potential. The combination of autonomous technology, improved environmental monitoring, and greater data connectivity will pave the way for the next generation of fishing drones, transforming the industry in the years to come.

Key Insights Fishing Drones Market

Increased Adoption of Autonomous Drones: The rise of fully autonomous fishing drones will allow for hands-free operation, reducing the need for human intervention and improving operational efficiency.

Integration with AI and Machine Learning: AI-powered drones will analyze fish behavior, water conditions, and environmental factors to optimize fishing efforts and improve catch rates.

Deployment of Drones for Marine Conservation: Fishing drones are being increasingly used for monitoring fish populations, protecting marine ecosystems, and ensuring sustainable fishing practices.

Advances in Drone Imaging Technology: High-resolution cameras, thermal sensors, and underwater imaging technology are enhancing the capability of drones to locate fish in challenging environments.

Expansion of Recreational Fishing Drone Use: As drones become more affordable, recreational fishermen are increasingly using them for enhancing their fishing experience and increasing their chances of a successful catch.

Need for Sustainable Fishing Practices: Growing demand for sustainable fishing methods is driving the adoption of fishing drones to improve catch efficiency and reduce environmental impact.

Technological Advancements in Drone Capabilities: The continuous improvement in drone technologies, such as battery life and AI integration, is making fishing drones more efficient and user-friendly.

Cost Reductions in Drone Manufacturing: As manufacturing costs decrease, fishing drones are becoming more affordable, making them accessible to both commercial and recreational users.

Increased Interest in Recreational Fishing: The rise in popularity of recreational fishing, coupled with the desire for better fishing experiences, is driving demand for fishing drones in the consumer market.

Regulatory and Legal Constraints: The use of drones in marine environments is subject to various regulations, including airspace restrictions, environmental regulations, and fishing licenses, which may limit the widespread adoption of fishing drones in some regions.

Fishing Drones Market Segmentation

By Type

Fixed Wing

Rotary Wing

By Payload Capacity

Below 1 Kg

1 To 2 Kg

Above 2 Kg

By Application

Commercial Fishing

Recreational Fishing

Other Applications

Key Companies Analysed

Yaskawa Electric Corporation

Kongsberg Maritime AS

Oceaneering International Inc.

SZ DJI Technology Co. Ltd.

Yuneec International Co. Ltd.

AeroVironment Inc.

Skydio Inc.

Sonardyne International Ltd.

Parrot SA

Autel Robotics USA LLC

Kraken Robotic Systems Inc.

PrecisionHawk Inc.

Teledyne Marine

SwellPro Technology Ltd.

Saildrone Inc.

Bluefin Robotics Corporation

Blue Robotics

PowerVision Technology Group

Draganfly Innovations Inc.

SeaDrone Systems

EvoLogics GmbH

Marine Technologies Inc.

Blueye Robotics AS

Hydromea AG

Underwater Dynamics Pty Ltd.

Triton Submarines LLC

Fishing Drones Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks

and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Fishing Drones Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Fishing Drones market data and outlook to 2034

United States

Canada

Mexico

Europe — Fishing Drones market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Fishing Drones market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Fishing Drones market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Fishing Drones market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Fishing Drones value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Fishing Drones industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Fishing Drones Market Report

Global Fishing Drones market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Fishing Drones trade, costs, and supply chains

Fishing Drones market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Fishing Drones market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Fishing Drones market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Fishing Drones supply chain analysis

Fishing Drones trade analysis, Fishing Drones market price analysis, and Fishing Drones supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Fishing Drones market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market

tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

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