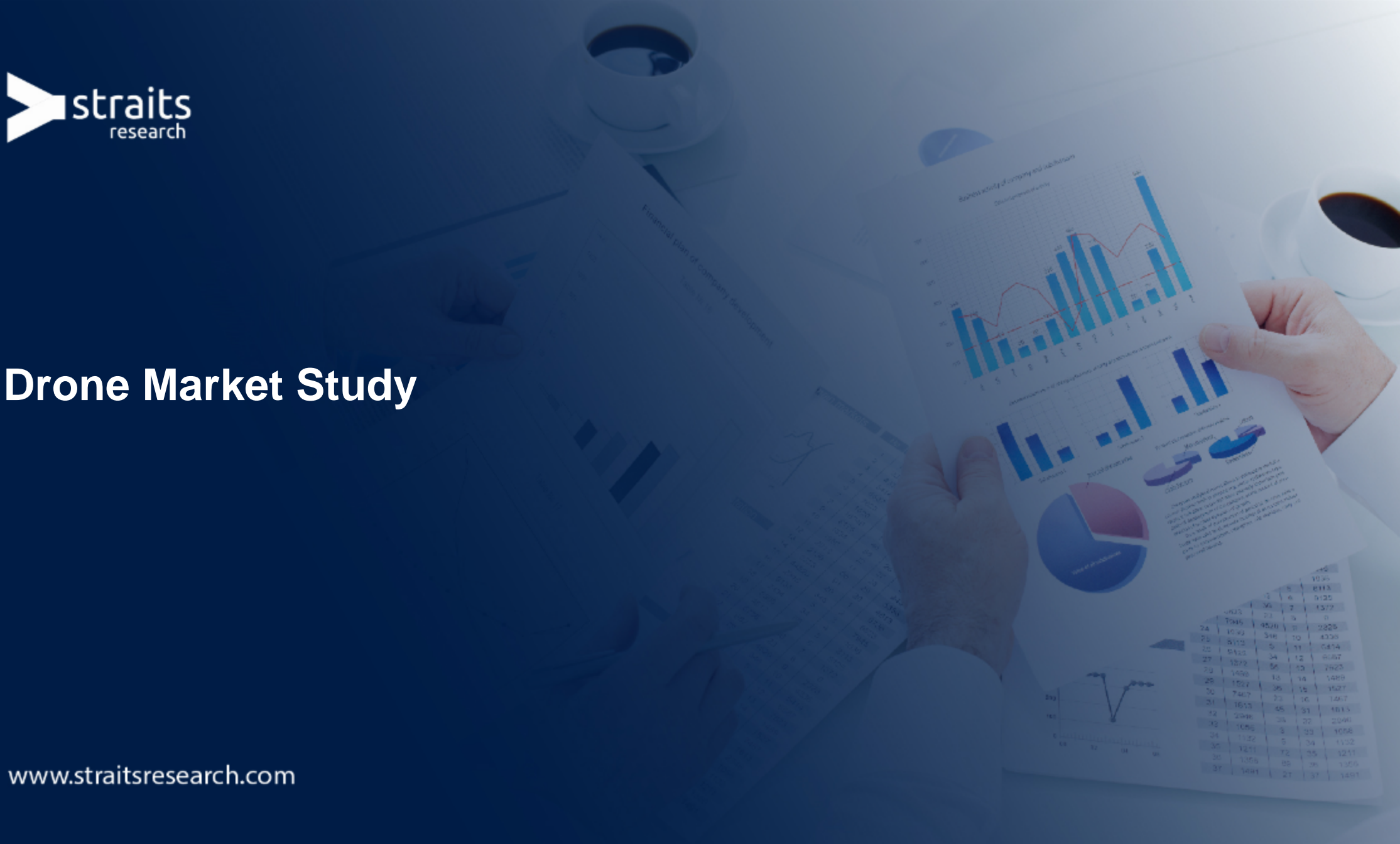


# Drone Market Study



# About Us

Straits Research Pvt Ltd is a leading market research firm offering comprehensive insights on market demand, trends, growth prospects and regional analysis. With over 35 years of combined experience, we provide premium qualitative insights on consumer preferences, regulatory landscape, and technological advancements along with quantitative insights on industry market size, global economic scenario and revenue opportunities. These reports are backed by high-quality data sourced from primary sources and large secondary databases. With analyst perspectives and insights included in every report, Straits Research delivers comprehensive market intelligence and detailed analysis to help clients make informed decisions.

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Northrop Grumman

AeroVironment Inc.

DJI

INSITU

Elbit Systems Ltd.

Kratos Defense & Security Solutions, Inc.

Lockheed Martin Corporation.

EHang

Thales

Anduril Industries

Skydio, Inc.

**Note:** More company profiles available on full reports.

## Top 5 Company Market Share



**Total**  
**29%**

Top 5 company market share



Source: Straits Research

## Emerging Countries

United States

Germany

China

## Emerging Companies

General Atomics

Parrot Drone SAS

Textron Inc

# Market Trends

## Growth Trends

- Increasing use of drones for commercial applications.
- Advancement in drone technology leading to wider applications.
- Higher demand in sectors like agriculture and construction due to the benefits of drones.
- Increased defense expenditure and use of drones for military and surveillance purposes.
- Increasing awareness about the benefits of drones in delivery services.
- Higher adoption due to a decrease in prices and greater accessibility.
- Regulatory push and supportive policies for drone technology.

## Factors to consider while calculating market size and share

- Current and projected market demand for drones.
- Market differentiations such as commercial or recreational use.
- Market volume in terms of units sold or revenue generated.
- The geographical spread of the market, such as continent, region or country specific markets.
- Segmentation by type such as fixed-wing, single rotor, multi-rotor, or hybrid drones.
- Application segmentation like agriculture, construction, military, or delivery services.
- The competitive landscape, including key players and their market dominance.

## Key Market Indicators

- Growth rate of the market
- Growth rate by segments (type and application)
- Market share of the leading competitors
- Penetration rate of drones in various sectors
- Year-on-year growth rate
- Market volume and value

## Rising demand for military drones

Défense agencies are rapidly investing in military drones for reconnaissance, surveillance, and combat missions. The application of unmanned aerial vehicles (UAVs) is increasing rapidly, driven by their ability to navigate high-risk environments efficiently while mitigating human safety concerns. The deployment of advanced sensors, AI-targeting systems, and real-time data feed UAVs boost the efficacy of modern warfare operations. As military operations change, the adoption of drone technology at the tip of the spear only ramps up as defense-oriented capabilities are caught worldwide across security forces.

- For instance, in March 2024, Baykar Technologies announced contracts to supply Bayraktar TB2 drones to multiple European nations for defense and border surveillance operations.

Thus, with continuous advancements in drone technology, defense agencies are poised to integrate even more advanced UAV systems, ensuring enhanced operational efficiency and strategic superiority on the battlefield.

# Market Trends

## Increasing use of drones in agriculture

The agricultural sector increasingly adopts drones for precision farming, revolutionizing traditional farming methods with advanced technology. Drones are used heavily for crop sensing and helping in pest controllers and soil analysis, making database decisions more manageable for the farmer. Drones with multispectral and thermal sensors provide immediate feedback about crop health, enabling disease diagnosis, soil analysis, and healthy irrigation optimization.

- For instance, in April 2024, DJI introduced the Agras T50, an advanced agricultural drone for autonomous spraying and crop monitoring, enhancing efficiency in large-scale farming operations.

Thus, by enhancing productivity efficiency and reducing run-offs, the agriculture sector is becoming more sustainable and having a minimal environmental impact. Drone technology is being kept as a friendly solution for the future of food production.

## Expanding the use of drones in healthcare

Drones are increasingly transforming healthcare logistics, enabling rapid medical emergency deliveries. They are now widely deployed for transporting vaccines, blood supplies, and critical medications to remote and underserved regions, improving healthcare accessibility. Drones improve emergency response and patient outcomes by reducing transit times and overcoming logistical inefficiencies. As technological advancements progress, drone integration will revolutionize the future of medical supply chain management, optimizing efficiency, reducing costs, and strengthening global healthcare infrastructure.

- For instance, in September 2024, the UK Civil Aviation Authority launched trials to assess drone integration for deliveries and emergency services, enhancing airspace safety and advancing regulatory frameworks for the country's evolving drone industry.

Thus, government initiatives foster market growth by validating drone applications in logistics and emergency response, encouraging investment, technological advancements, and regulatory support, ultimately accelerating the commercialization and scalability of drone services in the U.K.

# Market Segments

## By Components

The hardware segment, commanding 60-63% of the drone market, thrives on innovations in lightweight materials, advanced sensors, and propulsion systems, catering to diverse needs from consumer photography to military surveillance, outpacing software and services in revenue share.



**60-63%**

Hardware

## By Product

Multirotor drones, with a 50-55% market share, dominate the global drone market, prized for their agility, vertical takeoff capabilities, and widespread use in commercial applications like surveying and media, overshadowing fixed-wing and single-rotor designs.



**50-55%**

Multirotor drones

## By Technology

Remotely operated drones hold the largest share due to their affordability, ease of control, and widespread use in consumer and commercial sectors.



**XX%**

Remotely operated drones

# Market Segments

## By Payload Capacity

Lightweight drones up to 2KG are favored for their portability, affordability, and dominance in consumer and small-scale commercial uses.



XX%

Up to 2KG

## By Power Source

Battery-powered drones dominate due to advancements in battery technology, offering sufficient flight times for most applications and eco-friendly operation.



XX%

Battery powered

## By End Use

Military and defense applications lead due to significant investments in surveillance, reconnaissance, and combat drones by global defense forces.



XX%

Military & Defense

# Regional Overview

## North America

North America, with 40-42% of the drone market, is led by the U.S., where defense contracts, commercial innovation, and FAA regulations fuel growth, making it a global hub for drone technology and adoption.



XX%

United States Market Share

## Europe

Europe, holding 23-25% of the market, sees Germany at the forefront, leveraging industrial expertise and government initiatives to expand drone use in agriculture, logistics, and public safety across the region.



XX%

Germany Market Share

## APAC

APAC, with 18-20% market share, is propelled by China's dominance in consumer drone production, alongside rising commercial and military applications, positioning the region as a key growth engine.



XX%

China Market Share



# Regional Overview

## Middle East and Africa

Middle East and Africa, with 4-6% share, is driven by Saudi Arabia's defense spending and growing commercial drone use, though limited infrastructure slows broader regional adoption.



**XX%**

Saudi Arabia Market Share

## LATAM

LATAM, capturing 2-4% of the market, is led by Brazil, where drones enhance agriculture and delivery, though growth is tempered by regulatory and economic challenges across the region.



**XX%**

Brazil Market Share

# Company Profiles

Companies	Websites	Headquarters	Establisheds	Key Executives	Revenues
General Atomics	<a href="https://www.ga.com/">https://www.ga.com/</a>	San Diego, CA, USA	1955	Linden Blue (CEO)	~\$3 billion
Parrot Drone SAS	<a href="https://www.parrot.com/en">https://www.parrot.com/en</a>	Paris, France	1994	Henri Seydoux (Founder & CEO)	~\$70 Million
Textron Inc.	<a href="https://www.dji.com/global">https://www.dji.com/global</a>	Shenzhen, China	2006	Frank Wang (Founder & CEO)	~\$4.5 billion
Wing Aviation LLC	<a href="https://www.avinc.com/">https://www.avinc.com/</a>	Arlington, VA, USA	1971	Wahid Nawabi (CEO)	~\$650 million
Northrop Grumman	<a href="https://www.northropgrumman.com/">https://www.northropgrumman.com/</a>	Falls Church, VA, USA	1939	Kathy Warden (CEO)	~\$28 billion

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