

Civilian Industrial Grade Drone Market CAGR to be at 14.8% from 2025 to 2029 | \$27.9 Billion Industry Revenue by 2029

*The Business Research Company's
Civilian Industrial Grade Drone Global
Market Report 2025 - Market Size, Trends,
And Global Forecast 2025-2034*

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What Is The Forecast For The Civilian Industrial Grade Drone Market From 2024 To 2029?

Over the recent years, there has been a swift expansion in [the market size of civilian industrial grade drones](#). It's forecasted to escalate from \$13.92 billion in 2024 to \$16.03 billion in 2025, indicating a compound annual growth rate (CAGR) of 15.1%. The notable growth historically can be tied to an escalating demand for aerial surveillance within agriculture, amplified adoption of drones within infrastructure evaluation, an increasing necessity for instant mapping and surveying within construction, burgeoning utilization of drones in disaster monitoring and immediate response, and an evolving dependence on drones for appraising mining sites.

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[The market for civilian industrial grade drones](#) is predicted

to experience significant expansion in the upcoming years. The market is set to reach \$27.90 billion by 2029, with a compound annual growth rate (CAGR) of 14.9%. This anticipated growth during the forecast period can be attributed to several factors, including the increased demand for drones in the development of smart cities, the necessity for real-time data acquisition in the energy and utility sectors, the rising demand for autonomous drone functionalities, expanding application in e-commerce deliveries, and the escalating usage in precision livestock surveillance. The forecast period will also witness major trends such as enhanced technology in autonomous

navigation, long-range delivery capabilities development, incorporation in emergency response systems, innovations in modular drone design, and the emergence of drone-as-a-service (DaaS) platforms.

Download a free sample of the civilian industrial grade drone market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=25260&type=smp>

What Are Key Factors Driving [The Demand In The Global Civilian Industrial Grade Drone Market](#)?

The civilian industrial-grade drone market looks set to be driven by the escalating uptake of precision agriculture. This strategy involves leveraging data analysis and technology to enhance crop production, decrease waste, and make resource use more efficient. Real-time, high-quality data is essential for making expedient, precise farming decisions, hence the demand for precision agriculture is on the rise. Civilian industrial-grade drones play a key role in this context, offering top-notch aerial data, which is particularly useful for overseeing large-scale farms and evaluating crop health. These drones minimize the need for manual scouting and facilitate targeted interventions. This leads to better crop outcomes and optimizes resource utilization. Citing an example, a report by the US Government Accountability Office in January 2024 clarified that 27% of US farms and ranches implemented precision agriculture techniques for the management of crops or livestock in 2023. Consequently, the expanding embrace of precision agriculture is fueling the expansion of the civilian industrial-grade drone market.

Who Are The Emerging Players In The Civilian Industrial Grade Drone Market?

Major players in the Civilian Industrial Grade Drone Global Market Report 2025 include:

- Thales Group
- SZ DJI Technology Co. Ltd.
- Autonomous Control Systems Laboratory Ltd
- AeroVironment Inc.
- Skydio Inc.
- Parrot SA
- Performance Drone Works LLC
- Autel Robotics Co. Ltd.
- BRINC Drones Inc.
- AgEagle Aerial Systems Inc.

What Are The Key Trends Shaping The Civilian Industrial Grade Drone Industry?

Key players in the civilian industrial-grade drone sector are putting their efforts into the development of cutting-edge solutions like enterprise drones, aiming to amplify precision, safety, and efficiency in both commercial and government uses. Enterprise drones are professional-standard unmanned aerial systems built for commercial, industrial, or government use that require accuracy, resilience, and enhanced payload potential. For example, in May 2025, Skyfish LLC, a drone manufacturer in the US, introduced a lightweight enterprise drone named Osprey.

This drone boasts a flight duration of up to 60 minutes and has a compact structure conducive to backpack transport. It accommodates advanced payloads such as the 61-megapixel Sony LR1 camera and the NextVision Raptor EO/IR system while offering centimeter-level RTK location precision along with automatic in-flight geotagging.

What Segments Are Covered In The Civilian Industrial Grade Drone Market Report?

The civilian industrial grade drone market covered in this report is segmented –

- 1) By Type: Fixed-Wing Drones, Multirotor Drones, Hybrid Drones, Single-Rotor Drones
- 2) By Payload Capacity: Lightweight Drones, Medium-Weight Drones, Heavyweight Drones
- 3) By Control: Remote Controlled Drones, Autonomous Drones, Fully-Autonomous Drones, Swarm Drones
- 4) By Battery Type: Lithium Polymer (LiPo) Batteries, Lithium-Ion Batteries, Fuel Cell Technology, Hybrid Power Systems
- 5) By Application: Agriculture, Construction And Infrastructure, Broadcasting And Media, Surveying And Mapping, Inspection And Monitoring, Delivery Services

Subsegments:

- 1) By Fixed-Wing Drones: Surveying And Mapping Drones, Long-Endurance Surveillance Drones, Agricultural Monitoring Drones, Pipeline and Power Line Inspection Drones
- 2) By Multirotor Drones: Aerial Photography And Videography Drones, Infrastructure Inspection Drones, Precision Agriculture Spraying Drones, Public Safety And Emergency Response Drones
- 3) By Hybrid Drones: Long-Range Delivery Drones, Vertical Take-Off And Landing (VTOL) Surveillance Drones, Infrastructure And Utility Monitoring Drones, Multi-Payload Environmental Monitoring Drones
- 4) By Single-Rotor Drones: Heavy Payload Logistics Drones, High-Endurance Surveillance Drones, Forestry And Plantation Management Drones, Military-Grade Civilian Adaptation Drones

View the full civilian industrial grade drone market report:

<https://www.thebusinessresearchcompany.com/report/civilian-industrial-grade-drone-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Civilian Industrial Grade Drone Market?

In 2024, North America led in the global market for civilian industrial grade drones. The forecast for this region indicates projected growth. The market report covers numerous regions including Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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