

Construction Drone Market Anticipated to Grow at 14.1% CAGR Through 2029: Industry Report

*The Business Research Company's
Construction Drone Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025-2034*

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Construction Drone Global Market Report 2025

How Big Is The [Construction Drone Market](#) In 2025?

The size of the construction drone market has seen a swift expansion in the last few years. The market, which stands at \$6.94 billion in 2024, is expected to surge to \$7.91 billion in 2025, reflecting a compound annual growth rate (CAGR) of 14.0%. The growth trajectory in the past timeframe can be credited to the development of regulations and guidelines, speedy urbanization, a rise in disaster occurrences, infrastructure progression, and scarcity of labour.

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The building drone sector is predicted to experience a fast expansion in the following years. The market is projected to escalate to \$13.43 billion by 2029, with a Compound

Annual Growth Rate (CAGR) of 14.1%. The increase during the estimation phase is due to factors such as the embracing of 5G technology, the emergence of DaaS strategies, creation of smart cities, adjustment to teleworking, and increased focus on sustainability. Hybrid drone technology, drone swarms, subscription-based model acceptance, specialized drones, and AI-driven analytics are some of the trending aspects in the projection span.

Download a free sample of the construction drone market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=7915&type=smp>

What Are The Key Driving Factors For The Growth Of The Construction Drone Market?

The construction drone market is anticipated to burgeon, thanks to the rapid urbanization trend. This term is used to describe the escalating populace in city areas, which results from individual migration from rural areas, and the higher settlement index in cities than countryside areas. As this process unfolds, the demand for housing and infrastructural projects intensifies, which in turn, bolsters the need for construction drones that are an invaluable asset in surveying and managing construction projects. For instance, in 2022, the World Bank, a financial institution based in the United States, revealed that over half of the global population resides in urban regions. This figure is projected to experience a 1.5-fold upsurge, soaring to 6 billion by 2045. Thus, the swift progression of urbanization is a key contributor to the expansion of the construction drone market.

Who Are The Key Players In The [Construction Drone Industry](#)?

Major players in the Construction Drone include:

- Autodesk Inc.
- FLIR Systems Inc.
- Topcon Positioning Systems Inc.
- Altus Intelligence Inc.
- Parrot SA
- Skyward Company
- AeroVironment Inc.
- Quantix by AeroVironment Inc.
- Insitu Inc.
- Yuneec International Co. Ltd.

What Are The Key Trends Shaping The Construction Drone Industry?

Renowned firms in the construction drone industry are strategically partnering up to cultivate unique solutions that augment efficiency, precision, and safety in construction endeavours. Such partnerships provide a boost to construction drone companies by amalgamating resources and know-how, improving research and development, broadening market penetration, and speeding up commercialization, all propelling innovation and expansion in the drone industry. For example, in February 2024, Trimble Inc., a US-based geospatial technology and drone mapping entity, collaborated with DroneDeploy, a US-based firm specializing in aerial mapping and data analysis. The objective of this alliance is amplifying the precision and effectiveness of drone mapping and data collection by merging Trimble's Applanix POSPac Cloud PPK GNSS positioning service with DroneDeploy's reality capture platform. This collaboration ensures a positioning accuracy at the centimeter level without the requirement for base stations, making workflows more efficient for drone operators in various fields such as construction, energy, and agriculture.

What Segments Are Covered In The Construction Drone Market Report?

The construction drone market covered in this report is segmented –

- 1) By Type: Fixed Wing Drones, Rotary Wing Drone
- 2) By Component: Solution, Services
- 3) By Application: Surveying, Inspection, Security And Surveillance, Disaster Recovery, Filming And Photography, Other Applications
- 4) By End User: Residential, Commercial, Industrial

Subsegments:

- 1) By Fixed Wing Drones: Long-Endurance Fixed Wing Drones, Short-Endurance Fixed Wing Drones, Hybrid Fixed Wing Drones
- 2) By Rotary Wing Drones: Single-Rotor Drones, Multi-Rotor Drones, Coaxial Drones

View the full construction drone market report:

<https://www.thebusinessresearchcompany.com/report/construction-drone-global-market-report>

Which Region Is Expected To Lead The Construction Drone Market By 2025?

In 2024, the Asia Pacific led as the biggest region in the construction drone market. It is projected that North America will witness the quickest growth in the future. The report on the construction drone market includes regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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