

Drone Data Services Market Report by Service Type (Mapping and Surveying, Photogrammetry, 3D Modeling and Digital Elevation Model (DEM), and Others), Platform (Cloud-based, Operator Software), End User (Real Estate and Construction, Agriculture, Security and Law Enforcement, Mining, and Others), and Region 2024-2032

<https://marketpublishers.com/r/DD58844FC2E6EN.html>

Date: April 2024

Pages: 135

Price: US\$ 3,899.00 (Single User License)

ID: DD58844FC2E6EN

Abstracts

The global drone data services market size reached US\$ 1.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 20.2 Billion by 2032, exhibiting a growth rate (CAGR) of 29.9% during 2024-2032.

Drone data services include the use of the unmanned aerial vehicle (UAV) for collecting digital data via aerial surveys. They rely on drones embedded with downward-facing sensors, such as red, green, and blue (RGB) cameras and light detection and ranging (LiDAR) payloads, for gathering images of ground from different angles and creating geo-referenced orthomosaics and 3D models of the area. As they offer high-quality, accurate, and cost-effective data, drone data services are finding applications in agriculture, oil and gas, mining, media and entertainment (M&E), insurance, aviation, marine, healthcare, and transportation industries worldwide.

Drone Data Services Market Trends:

At present, there is a rise in the utilization of drone data services in the construction industry to perform cadastral and corridor surveying, volumetric calculations of land, light detection and ranging (LiDAR), and automated mapping. This, along with the growing demand for artificial intelligence (AI)-enabled optical sensors in security and law enforcement to enhance public safety and risk mitigation, represents one of the key

factors driving the market. Moreover, the increasing usage of drone data services in agriculture for obtaining information on hydrography, topography, soil type, and land development is positively influencing the market. In addition, there are various technological advancements in the internet of things (IoT), artificial intelligence (AI) and cloud-based storage to upload, share, store, and process aerial images, which is bolstering the market growth. Furthermore, rapid urbanization is leading to high traffic congestion and air pollution across the globe. As a result, key market players are extensively investing in research and developments (R&D) activities to develop autonomous drones for intracity transportation, which is projected to propel the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global drone data services market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on service type, platform and end user.

Breakup by Service Type:

- Mapping and Surveying
- Photogrammetry
- 3D Modeling and Digital Elevation Model (DEM)
- Others

Breakup by Platform:

- Cloud-based
- Operator Software

Breakup by End User:

- Real Estate and Construction
- Agriculture
- Security and Law Enforcement
- Mining
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 4DMapper, Aerialair, Autodesk Inc., Cyberhawk, DroneDeploy, GeoCue Group Inc., Ninnox Robotics Pty Ltd., Pix4D SA, PrecisionHawk, Sentera, Skycatch Inc. and SZ DJI Technology Co. Ltd.

Key Questions Answered in This Report

1. What was the size of the global drone data services market in 2023?
2. What is the expected growth rate of the global drone data services market during 2024-2032?
3. What are the key factors driving the global drone data services market?
4. What has been the impact of COVID-19 on the global drone data services market?
5. What is the breakup of the global drone data services market based on the service

type?

6. What is the breakup of the global drone data services market based on the platform?
7. What are the key regions in the global drone data services market?
8. Who are the key players/companies in the global drone data services market?

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