

Unmanned Traffic Management (UTM) Market by Component (Solutions, Software, Services), Type ((Persistent, Non-Persistent), End-User , Application (Aviation, Homeland Security, Agriculture, Logistics & Transportation) and Region - Global Forecast to 2030

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Abstracts

The unmanned traffic management market is anticipated to reach USD 1,098 million by 2030, growing at a CAGR of 33.9% from USD 106 million in 2022. The use of unmanned aerial vehicles (UAVs) is growing rapidly across several commercial application domains including real-time monitoring, providing wireless coverage, remote sensing, search and rescue, delivery of goods, security and surveillance, precision agriculture, and infrastructure inspection. With increase in number of drones, the interplay between manned and unmanned systems needs to be managed. Unmanned traffic management will play this crucial of managing airspace along with interplay between manned and unmanned systems.

The development of unmanned traffic management (UTM) systems that can seamlessly integrate with existing air traffic control systems and other airspace systems is an important aspect of UTM systems, as it helps to ensure the safe and efficient operation of drones along with other aircraft in the airspace. There are several different approaches to integrating UTM systems with existing airspace systems, including the use of shared airspace corridors and the development of dedicated airspace for drones. These approaches are designed to allow drones to safely operate along with other aircraft, while also taking into account the unique characteristics and requirements of drone operations. In addition to the integration with air traffic control systems, UTM systems are also being developed to integrate with other airspace systems, such as weather forecasting systems and airspace management systems. This allows for the real-time exchange of information and the coordination of drone operations with other

airspace users. Overall, the integration of UTM systems with existing airspace systems is an important aspect of enabling the safe and efficient operation of drones in the airspace.

“Based on End User, the commercial segment is expected to lead the unmanned traffic management market from 2022 to 2030.”

Based on end-user, the unmanned traffic management market has been classified into commercial and government & law. The increasing demand for drones in multiple potential applications in the commercial sector has led to the growth of the unmanned traffic management market. For instance, in June 2022, Altitude Angel extended the GuardianUTM Enterprise platform to support London Biggin Hill Airport. London Biggin Hill is the only dedicated business-aviation airport, which sits inside the M25 and strives to be a leading center for aviation technology and enterprises within the capital. The airport is also home to more than 70 resident aviation businesses and offers award-winning VIP handling, a choice of FBOs, extensive hangarage, and support and maintenance services for all ranges of business jets

“The North America region is estimated to account for the largest share of unmanned traffic management market in 2022.”

Based on region, North America is expected to lead the unmanned traffic management market from 2022 to 2030. The US and Canada are the key countries considered for market analysis in the North American region. Government agencies such as the National Aeronautics and Space Administration (NASA), Federal Aviation Administration (FAA), and other federal partner agencies are collaboratively exploring concepts of operation, data exchange requirements, and supporting frameworks to facilitate multiple beyond visual line-of-sight UAS operations at low altitudes. In Canada, drones are being used in diverse and risky environments to carry out atmospheric research, including weather & atmospheric gas sampling; emergency & disaster monitoring; cartography & mapping; agricultural spraying; and promotion & advertising.

Major companies profiled in the report include Altitude Angel (UK). Thales Group (France), AirMap, Inc. (US), Airbus (Netherlands), and ANRA Technologies (US), among others.

Research Coverage:

This market study covers the unmanned traffic management market across various

segments and subsegments. It aims at estimating the size and growth potential of this market across different segments based on component, type, end-user, application and region. This study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall unmanned traffic management market. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on unmanned traffic management offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the unmanned traffic management market

Market Development: Comprehensive information about lucrative markets – the report analyses the unmanned traffic management market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the unmanned traffic management market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the unmanned traffic management market

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