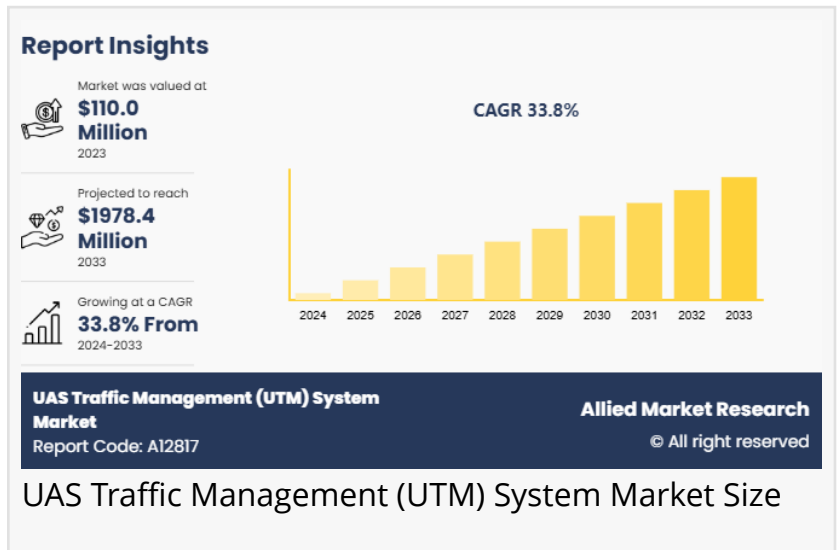


UAS Traffic Management (UTM) System Market to Skyrocket to \$1.98 Billion by 2033 with a Staggering 33.8% CAGR | says AMR

WILMINGTON, NEW CASTLE, DE, UNITED STATES, January 28, 2025 /EINPresswire.com/ -- According to the report, the UAS traffic management (UTM) system market size was valued at \$110.0 million in 2023, and is estimated to reach \$1978.4 million by 2033, growing at a CAGR of 33.8% from 2024 to 2033.

Allied Market Research published a report, titled, "UAS Traffic Management (UTM) System Market by Component (Solution, Software and Service), Type (Non-Persistent and Persistent), Application (Aviation, Homeland Security, Agriculture, Logistics and Transportation and Others), and End-user (Commercial and Government Law): Global Opportunity Analysis and Industry Forecast, 2024-2033".



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Prime Determinants of Growth

The rapid proliferation of drones across commercial and industrial applications, including e-commerce, agriculture, and infrastructure inspection, necessitates robust UTM systems to manage airspace congestion and ensure safety. Technological advancements in AI, ML, and sensor technologies are enhancing the capabilities of UTM systems, enabling real-time tracking, collision avoidance, and precise flight path management. These innovations improve operational efficiency and reliability, fostering increased adoption of UTM solutions. Supportive regulatory frameworks and initiatives by aviation authorities worldwide are promoting the integration of UTM systems into airspace management strategies. Governments are recognizing the potential of drones for economic growth and public safety, driving investments in UTM infrastructure and standards. Rising investments from both public and private sectors, coupled with growing partnerships among drone manufacturers, software developers, and aviation stakeholders, are

accelerating the development and deployment of advanced UTM solutions globally. These factors collectively contribute to the expanding UAS Traffic Management (UTM) system market.

Key Industry Developments

- DroneUp announced that it acquired the digital airspace and automation company, AirMap, Inc. The acquired company offers an Unmanned Aircraft System Traffic Management service, which will benefit DroneUp's network of pilots and growing ground infrastructure.
- Thales's TopSky announced that its UAS solution, which was already in service in Lille, in northern France, had been adopted by air traffic controllers at Rennes airport in Brittany to manage unmanned air traffic. The solution makes flight request process more efficient, helping drone operators to gain easier access to airspace.
- PABLO AIR, a member of Born2Global Center, successfully demonstrated 75km maritime flight by integrating Ground Control System (GCS) as well as the unmanned traffic management (UTM) and the Air Traffic Management (ATM).
- the Civil Aviation Ministry of India introduced a traffic control framework for public and private third-party drone service providers to manage their movement in airspace under 1,000 feet. The integration of UTM and ATM will be necessary to continuously separate manned and unmanned aircraft from each other in the airspace.

Software Segment Outlook

The software segment is expected to grow faster throughout the forecast period.

By component, the software segment is anticipated to experience [faster growth in the UAS traffic management \(UTM\) system market](#). Software forms the core component that enables the functionalities of UTM systems, including airspace management, real-time data processing, flight planning, and communication between drones and ground control stations. UTM software integrates complex algorithms for flight routing, collision avoidance, and compliance with airspace regulations. It also facilitates coordination among multiple drones and manages data analytics for operational insights. The need for sophisticated UTM software solutions increases as the demand for efficient drone operations grows across various industries.

The persistent segment is expected to grow faster throughout the forecast period.

By type, the persistent segment is anticipated to experience growth in the UAS traffic management (UTM) system market, due to its essential role in ensuring continuous and uninterrupted operation of UTM systems. Persistent solutions provide ongoing surveillance, tracking, and communication capabilities that are crucial for managing drones across vast and

complex airspace. These solutions enable real-time monitoring of drone activities, immediate response to emergencies, and seamless integration of drones into existing air traffic management systems. Persistent solutions are increasingly favored for their ability to maintain constant connectivity and operational efficiency in dynamic aerial environments as the demand for reliable and secure UTM infrastructure grows.

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The logistics and transportation segment are expected to grow faster throughout the forecast period.

By application, the logistics and transportation segment attained the highest market share in the UAS traffic management (UTM) system market, due to logistics and transportation industries heavily rely on drones for last-mile delivery solutions. UTM systems are crucial in this sector for optimizing drone routes, ensuring timely and safe deliveries, and integrating drones into existing logistics operations seamlessly. The ability of UTM systems to manage airspace efficiently, coordinate multiple drone flights, and comply with regulatory requirements is particularly beneficial in logistics and transportation, driving the adoption of advanced UTM solutions.

North America to maintain its dominance by 2033

North America is expected to maintain its dominance in the UAS traffic management (UTM) system market by 2033 owing to several key factors. Firstly, the region benefits from a mature regulatory environment, spearheaded by agencies like the Federal Aviation Administration (FAA) in the U.S. These regulations provide clear guidelines and frameworks for integrating drones into national airspace, fostering a conducive market for UTM system development and deployment. North America is home to a robust ecosystem of aerospace and technology companies specializing in UTM solutions. These companies drive innovation, such as AI-powered airspace management and real-time drone tracking systems in UTM technologies, which are critical for safe and efficient drone operations.

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Key players:

- Airbus SE
- Altitude Angel Limited
- Frequentis

- L3Harris Technologies Inc
- Leonardo S.p.A.
- Lockheed Martin Corporation
- Nova Systems
- PrecisionHawk
- Raytheon Technologies Corporation
- Thales Group
- Unifly

The report provides a detailed analysis of these key players in the global UAS traffic management (UTM) system market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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