

UAS Traffic Management System Market Size Worth to be USD 5,053.1 Million in 2030 | Emergen Research

UAS Traffic Management System Market Size Worth USD 5,053.1 Million in 2030

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/EINPresswire.com/ -- The global [UAS Traffic Management \(UTM\) system market](#) size is expected to reach USD 5,053.1 Million in 2030 and register a revenue CAGR of 20.3% over the forecast period, according to the latest report by Emergen. Rapid deployment of drones for commercial and civil applications, coupled with major investment by government as well as private companies to develop and deploy advanced and safe UAS traffic management systems is a key factor driving market revenue growth.



Rapid deployment of drones for commercial and civil applications is a key factor driving market revenue growth

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UAS Traffic Management System Market Size – USD 969.7 Million in 2021, Market Growth – at a CAGR of 20.3%, Market Trends – Rapid adoption of drones in commercial airspace

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Emergen Research

UTM is a traffic management ecosystem, which is specially used for managing small drone traffic in lower-level airspace. It consists of several subsystems, designed to provide end-to-end service. UTM system is an accumulation of various information using different data service providers. Information comprises weather conditions, airspace traffic, drone registration, and operator’s credentials, which help UAS manage traffic. It utilizes various technologies, which are inspired by aviation traffic management systems. For instance, in October 2021, India made ‘national UAS traffic management policy

framework’ to mandate safety management of aircraft at low-level airspace, owing to increasing

number of drone applications. This policy framework is expected to allow heavy deployment of automated, algorithm-driven software services to manage drone traffic in the country.

Rapid application of UAS for civil as well as commercial use is expected to boost revenue growth of the UAS traffic management system market during the forecast period. Moreover, rapid development in UTM systems, changes in administrative structure, and rising support from governments and privately owned businesses is expected to create major revenue opportunities for players in the market.

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However, issues related to vulnerability of UTM software modules, costly and time-consuming certification process, vulnerability of cyber-attacks, and reducing demand for UAS are impacting revenue growth of the UTM system market currently. UTM system requires substantial amount of technological support and continuous research and development for product innovation and advancement. Hence, sustaining in this market requires large amount of capital investment. Furthermore, concerns related to data security and stringent government regulations are impacting revenue growth of the UTM system market to some extent.

Some Key Highlights From the Report

Services segment accounted for a significantly large revenue share in 2021. UTM systems transmit important data to drone operators regarding flight and security. This helps in enhance service quality of drones and UAS. UTM solutions provide three types of services, which are security services, information services, and combat services.

Persistent segment accounted for largest revenue share in 2021 owing to rapid improvement of transportation activities across the globe, which is driving inclining demand for drones and UTM systems. Persistent UTM is mainly important for low-altitude operations in an authorized flying area, and provides aerial vehicles with continuous automated coverage.

Transportation and logistics segment revenue is expected to increase at a steady rate over the forecast period due to increasing adoption of small UAS systems by logistic industries. Adoption of drones for delivering medicine and emergency supplies, which was crucial due to lockdowns and curfews during COVID-19 pandemic, has served to raise awareness regarding the reliability of drones, and demand for UTM systems has been increasing as a result. In addition, rapid expansion of e-Commerce across the globe is driving significantly high demand for drones as well as UTM systems, and is expected to continue to support revenue growth of this segment.

The market in North America accounted for largest revenue share in 2021 owing to rapid adoption of UTM system in developed countries such as the U.S. and Canada. Various factors including government support, increase in investment by public and private companies,

increasing drone activity and initiatives by key players are driving revenue growth of the market in the region.

Some major companies in the global market report include Airbus SE, Lockheed Martin, Leonardo S.p.A., SZ DJI Technology Co., Ltd., Altitude Angel, Harris Corporation, Kitty Hawk Corporation, Precision Hawk, Frequentis Group, and Collins Aerospace.

On 25 May 2022, U.K. based lifting and handling equipment manufacturing company Host UK collaborated with aerospace and defense company Lockheed Martin to develop a bespoke lifting and handling system for the vertical launch space programs for U.K. processing within a Satellite Integration Laboratory (SIL) in Harwell, Oxfordshire.

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Emergen Research has segmented the global UTM system market on the basis of solutions, component, type, end use, and region:

Solutions Outlook (Revenue, USD Million, 2019-2030)

Communication

Navigation

Surveillance

Others

Component Outlook (Revenue, USD Million, 2019-2030)

Hardware

Software

Services

Security Services

Fight Services

Information Services

Type Outlook (Revenue, USD Million, 2019-2030)

Persistent

Non-Persistent

End Use Outlook (Revenue, USD Million, 2019-2030)

Agriculture and Forestry

Surveillance and Monitoring

Transportation and Logistics

Others

Regional Outlook (Revenue, USD Million, 2019-2030)

North America

U.S.

Canada

Mexico

Europe

Germany

U.K.

France

Spain

BENELUX

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Rest of APAC

Latin America

Brazil

Rest of LATAM

Middle East & Africa

Saudi Arabia

UAE

Israel

Rest Of MEA

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The report aims to answer the most common queries related to the global UAS Traffic Management (UTM) system market:

What is the scope of innovation in the current market landscape?

What are the current trends dictating global market growth?

What is the projected value of the market in 2027?

Which regional market is expected to witness the highest CAGR during the forecast period?

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Eric Lee
Emergen Research
+91 90210 91709

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