

US Urban Air Mobility (UAM) Market Size study, by Vehicle Type (Piloted, Autonomous) by Application (Passenger Transport, Freight) Forecasts 2022-2032

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Abstracts

US Urban Air Mobility (UAM) Market is valued approximately USD 884.17 million in 2023 and is anticipated to grow with a healthy growth rate of more than 21.18% over the forecast period 2024-2032. Urban Air Mobility (UAM) is defined as the integration of aerial vehicles into urban transportation systems, offering efficient and sustainable solutions for short-distance travel within cities and surrounding areas. It utilizes advanced technologies such as electric propulsion, autonomous flight control, and sophisticated air traffic management systems to provide on-demand, point-to-point air transportation services, reducing travel times, alleviating congestion, and enhancing connectivity in urban environments. These air taxis aim to decongest roads and reduce commute times, offering a cleaner and faster way to zip around urban areas. Surging demand for sustainable mobility is a key trend that is supporting to the growth of the US Urban Air Mobility (UAM) Market. The increased focus on environmental sustainability, meeting carbon emission reduction targets, and the push for eco-friendly transportation options is propelling the adoption of electric and hybrid-electric UAM vehicles, in line with global sustainability objectives.

US is poised to lead the Urban Air Mobility (UAM) market due to the advanced technological innovation in eVTOL aircraft and electric propulsion systems and a supportive regulatory framework that encourages UAM experimentation and commercialization. For instance, the Federal Aviation Administration (FAA) released guidelines on May 2024, for the future operation of air taxis in the nation's airspace. According to the FAA's planning document, this project appears to be driving the development of electric takeoff and landing aircraft as well as other urban air mobility activities, such freight drones, between "locations not previously served or underserved by aviation." Also, the framework foresees eVTOL operations commencement at a low

rate, flying existing routes, and utilizing infrastructure, such as helipads and vertiports. Furthermore, the significant market demand for UAM services in the US, driven by increasing urbanization, traffic congestion, and the imperative for efficient transportation solutions, establishes the country as a pivotal region. However, concerns related to safety, noise pollution, environmental impact, privacy, and airspace congestion and intensifying competition among UAM providers, technology suppliers, and traditional aerospace players is expected to stifle market growth during the forecast period 2024-2032.

Major market player included in this report are:

Honeywell International Inc.

Jaunt Air Mobility Corporation

Karem Aircraft Inc.

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Vehicle Type

Piloted

Autonomous

By Application

Passenger Transport

Freighter

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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