

Asia Pacific Urban Air Mobility (UAM) Market Size study, by Vehicle Type (Piloted, Autonomous) by Application (Passenger Transport, Freighter) and Country Forecasts 2022-2032

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Abstracts

Asia Pacific Urban Air Mobility (UAM) Market is valued approximately at USD 826.06 million in 2023 and is anticipated to grow with a healthy growth rate of more than 22.69% over the forecast period 2024-2032. Urban Air Mobility (UAM) represents a revolutionary concept in transportation that envisions the integration of aerial vehicles into urban landscapes, offering efficient and sustainable mobility solutions for short-distance travel within cities and surrounding regions. UAM aims to revolutionize urban mobility by providing on-demand, point-to-point air transportation services, reducing travel times, alleviating ground traffic congestion, and enhancing connectivity between urban centers and surrounding regions. Key elements of UAM include advanced air traffic management systems, vertiports or aerial hubs, regulatory frameworks, and integration with existing transportation networks, creating a seamless and efficient multimodal mobility ecosystem for residents and businesses in urban environments. Growing awareness of environmental sustainability, carbon emissions reduction goals, and the need for greener transportation options are considerable trends that is supporting to the growth of the Asia Pacific Urban Air Mobility (UAM) Market.

Rapid growth in investment in UAM infrastructure, including vertiports, landing pads, charging stations, and UTM systems, is expanding to support the growth of Asia-Pacific Urban Air Mobility (UAM) market to ensure safe and efficient urban air transportation. Also, the rapid advancements in eVTOL aircraft, electric propulsion systems, battery technology, and autonomous flight control systems are driving innovation and improving the efficiency, safety, and reliability of UAM services in the region. Additionally, the constant growth in urbanization and growing traffic congestion in megacities create a

strong demand for faster and more efficient transportation solutions, thereby creating a considerable growth prospect for Asia-Pacific Urban Air Mobility (UAM) market to provide a faster commute and potentially connecting inter-city regions. Additionally, government initiatives in the UAM industry are fueling the development of electric and sustainable UAM vehicles, aligning with the region's environmental goals are further presenting various growth prospects to the Asia Pacific Urban Air Mobility (UAM) Market during the estimated period. However, limited availability of UAM infrastructure, including vertiports, landing pads, and charging infrastructure, along with the stringent regulatory requirements are expected to hamper market growth during the forecast period 2024-2032.

The key Countries considered for the Asia Pacific Urban Air Mobility (UAM) Market study includes China, India, Japan, South Korea, Australia, and Rest of Asia Pacific. In 2023, China was the dominating regional market in terms of revenue. Increasing consumer acceptance and demand for UAM services, driven by convenience, safety, time savings, and the potential for faster and more efficient urban travel, are driving market expansion, investment, and adoption in China. Also, Entry of new players, including startups, technology disruptors, and non-traditional aerospace companies, is diversifying the UAM market in China, bringing innovative business models, technologies, and solutions to the region. Whereas, the market in India is expected to grow at the fastest rate over the forecast period. Increasing urbanization, population density, and traffic congestion in Indian cities drive demand for alternative and efficient transportation solutions, making UAM an attractive option for short-distance travel, last-mile delivery, and urban mobility.

Major market player included in this report are:

Hyundai Motor Group
Guangzhou EHang Intelligent Technology Co. Ltd
Aerofugia Technology Co., Ltd
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

By Region:

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

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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