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Advanced Air Mobility (AAM) Market Forecasts to 2034 – Global Analysis By Type (Air Taxis, Hybrid Aircraft, Drones, Cargo Air Vehicles, Personal Air Vehicles (PAVs), and Other Types), Vehicle Type, Mode of Operation, Propulsion Type, Technology, Application and By Geography

https://marketpublishers.com/r/A2FC2C125C12EN.html
Date: March 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: A2FC2C125C12EN

Abstracts

According to Stratistics MRC, the Global Advanced Air Mobility (AAM) Market is accounted for $12.0 billion in 2026 and is expected to reach $65.0 billion by 2034, growing at a CAGR of 20.6% during the forecast period. Advanced Air Mobility (AAM) involves creating innovative air transport solutions using electric and autonomous aircraft for short-distance passenger and cargo travel. It combines modern propulsion systems, automation, smart traffic control, and dedicated infrastructure to deliver safe, eco-friendly, and affordable mobility. AAM aims to ease ground traffic congestion, shorten travel durations, lower emissions, and improve regional and urban connectivity through efficient and technologically advanced aerial transportation networks.

Market Dynamics:

Driver:

Urbanization and the need for congestion relief

The gridlock creates a pressing demand for alternative, efficient transit solutions. Advanced Air Mobility (AAM), particularly through air taxis and passenger drones, offers a viable pathway to bypass ground traffic by utilizing underutilized low-altitude airspace. By providing rapid point-to-point connectivity, AAM can significantly reduce commute

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times and decongest surface roads. This urgent need to enhance urban mobility and productivity is a primary catalyst driving government funding, private investment, and public interest in the development and deployment of AAM ecosystems.

Restraint:

Regulatory and airspace integration challenges

Existing aviation frameworks were not designed for the scale or autonomy of AAM operations. Authorities must develop comprehensive new rules for certification, pilot training (or its absence), and operational safety standards. Furthermore, creating a robust and secure digital infrastructure for Unmanned Traffic Management (UTM) is critical to prevent collisions and ensure safe airspace deconfliction. The absence of universally accepted standards and the slow pace of policy adaptation create significant uncertainty for manufacturers and operators, delaying commercialization and increasing development costs.

Opportunity:

Expansion of emergency medical services (EMS)

eVTOL aircraft and cargo drones can be deployed to rapidly deliver defibrillators, blood supplies, vaccines, and other essential medical payloads to remote or congested areas. They can also serve as specialized air ambulances for quickly transporting patients to trauma centers, bypassing ground traffic. The ability to automate these missions further enhances efficiency and reliability. As healthcare systems seek to improve survival rates and outcomes for time-sensitive emergencies like cardiac arrests and trauma, the demand for AAM-enabled medical logistics and patient transport is poised for exponential growth.

Threat:

Battery technology limitations and infrastructure gaps

The commercial viability of AAM is heavily dependent on advancements in battery technology, which currently faces limitations in energy density, weight, and charge cycles. These constraints directly impact aircraft range, payload capacity, and operational economics, making many envisioned missions challenging to execute profitably. Furthermore, the lack of supporting infrastructure such as vertiports with high-

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speed charging capabilities, maintenance hubs, and reliable communication networks presents a significant barrier to large-scale adoption. The substantial capital investment required to build this ecosystem from the ground up creates a problem, where infrastructure deployment lags behind technological readiness, hindering market growth.

Covid-19 Impact:

The COVID-19 pandemic had a dual impact on the AAM market. Initially, it disrupted supply chains, delayed flight testing programs, and diverted investor attention, slowing near-term development. However, it also acted as a powerful accelerator for key trends underpinning AAM. The need for contactless delivery accelerated interest in autonomous cargo drones for logistics. Furthermore, the pandemic's disruption of traditional supply chains spurred interest in resilient, decentralized transportation networks. This shift in perspective has led to increased long-term strategic interest from both governments and private enterprises in building out AAM infrastructure.

The eVTOL segment is expected to be the largest during the forecast period

The eVTOL segment is expected to account for the largest market share during the forecast period, driven by the vehicle's unique ability to combine the convenience of vertical takeoff and landing with the efficiency of electric flight, making it the ideal platform for urban air taxi services. Their quieter operation and potential for zero-emission flights are critical for public acceptance and regulatory approval in noise-sensitive cities. Significant investment from major aerospace firms and automakers is accelerating development and certification.

The fully autonomous segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the fully autonomous segment is predicted to witness the highest growth rate, fueled by the compelling economic model of removing the pilot, which significantly lowers operational costs, the largest expense for air taxi services. Advancements in AI, machine learning, and sensor technology are rapidly maturing the capabilities required for safe, uncrewed flight. The scalability of AAM networks is also heavily dependent on autonomy to manage a high volume of aircraft without human intervention.

Region with largest share:

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During the forecast period, the North America region is expected to hold the largest market share, due to the presence of pioneering eVTOL developers and substantial private and public funding fueling research and development. The United States, in particular, benefits from a proactive regulatory environment, with the FAA actively working to integrate AAM into the national airspace. A strong venture capital ecosystem and established aerospace supply chain further accelerate innovation.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, driven by rapid urbanization, severe traffic congestion in mega-cities, and strong government support for technological innovation. Countries like China, Japan, and South Korea are making strategic investments in AAM infrastructure and nurturing domestic manufacturers. The region's high population density and the strong demand for efficient logistics solutions create a massive potential market for both passenger and cargo AAM applications.

Key players in the market

Some of the key players in Advanced Air Mobility (AAM) Market include Joby Aviation, Sarla Aviation, Archer Aviation, Pipistrel, Lilium GmbH, TCab Technology Co., Ltd., Volocopter GmbH, Wisk Aero, EHang Holdings Limited, Horizon Aircraft, Vertical Aerospace, Hyundai Motor Group, Beta Technologies, Bell Textron, and Eve Air Mobility.

Key Developments:

In February 2026, Hyundai Motor Company and the Los Angeles County Museum of Art (LACMA) announced the extension of their longstanding partnership through 2037. Founded in 2015, this partnership represents the largest programmatic commitment from a corporate partner in LACMA’s history.

In January 2026, Archer Aviation Inc. announced plans to develop and deploy the next generation of artificial intelligence technologies for aviation using the NVIDIA IGX Thor platform. The aviation space is a high-impact domain for Physical AI, particularly to advance critical capabilities in aircraft safety, airspace integration and autonomy-ready systems. Archer plans to debut its NVIDIA integration at its recently acquired Hawthorne airport in central Los Angeles, which is expected to be its operational hub for its planned LA air taxi network and a test bed for its AI-powered aviation technologies.

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Types Covered:

- Air Taxis
- Hybrid Aircraft
- Drones
- Cargo Air Vehicles
- Personal Air Vehicles (PAVs)
- Other Types

Vehicle Types Covered:

- Electric Vertical Take-Off and Landing (eVTOL) Aircraft
- Conventional Fixed-Wing Aircraft
- Short Take-Off and Landing (STOL) Aircraft

Mode of Operations Covered:

- Piloted
- Remotely Operated
- Fully Autonomous

Propulsion Types Covered:

- Fully Electric
- Hybrid Electric

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- Gasoline
- Hydrogen Fuel Cell
- Reciprocating (Piston) Engines
- Turbine Engines

Technologies Covered:

- Autonomous Flight Technology
- Communication Systems (5G/6G)
- Advanced Navigation Systems
- Digital Twin & Fleet Management
- AI & Machine Learning
- Battery Technology

Applications Covered:

- Passenger Transport
- Cargo & Logistics
- Special Missions
- Surveillance & Monitoring
- Defense & Security
- Mapping & Surveying

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- Emergency Medical Services (EMS)
- Other Applications

Regions Covered:

- North America
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  - Canada
  - Mexico
- Europe
  - United Kingdom
  - Germany
  - France
  - Italy
  - Spain
  - Netherlands
  - Belgium
  - Sweden
  - Switzerland
  - Poland
  - Rest of Europe

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- Asia Pacific
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  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Thailand
  - Malaysia
  - Singapore
  - Vietnam
  - Rest of Asia Pacific
- South America
  - Brazil
  - Argentina
  - Colombia
  - Chile
  - Peru
  - Rest of South America
- Rest of the World (RoW)

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- Middle East
  - Saudi Arabia
  - United Arab Emirates
  - Qatar
  - Israel
  - Rest of Middle East
- Africa
  - South Africa
  - Egypt
  - Morocco
  - Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

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- Company Profiling
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  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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