

Vertiport and Urban Air Mobility Infrastructure Market Forecasts to 2034 – Global Analysis By Component (Landing Pads & Runways, Charging & Refueling Stations, Air Traffic Management Systems and Safety & Security Systems), Vertiport Type, Facility Type, Propulsion Type, End User and By Geography

<https://marketpublishers.com/r/V691C7382691EN.html>

Date: April 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: V691C7382691EN

Abstracts

According to Statistics MRC, the Global Vertiport and Urban Air Mobility Infrastructure Market is accounted for \$0.8 billion in 2026 and is expected to reach \$6.8 billion by 2034 growing at a CAGR of 30.8% during the forecast period. Urban air mobility infrastructure, including vertiports, is becoming essential for future city transport solutions. Vertiports are specialized hubs that enable electric vertical takeoff and landing vehicles to operate efficiently with landing areas, charging facilities, passenger handling spaces, and integrated traffic management. They help ease road congestion by enabling rapid intra-city travel. Development requires robust digital systems, regulatory frameworks, safety standards, and seamless links with public transit. Public and private stakeholders are launching demonstration programs to build expandable networks. With technological progress, these hubs will play a central role in creating connected, sustainable and high-efficiency urban transportation environments globally.

According to MDPI (2025), simulation results demonstrate that vertiport capacity can be increased by 25–30% through advanced scheduling and digital traffic management systems.

Market Dynamics:

Driver:

Rising urban congestion and demand for faster mobility

Growing population density in urban centers is worsening traffic congestion, making daily commutes longer and less efficient. Urban air mobility infrastructure addresses this issue by introducing aerial transit options that avoid road traffic. The need for quick and direct transportation is fueling interest in vertiport development. Since expanding traditional road networks is challenging, cities are turning to innovative solutions that improve mobility. Increasing demand from professionals and logistics providers for faster travel is prompting both public and private sectors to invest in vertiports, which enable efficient and frequent aerial transport services within crowded metropolitan regions.

Restraint:

High infrastructure development costs

Establishing vertiports and related urban air mobility infrastructure involves considerable financial expenditure, creating a barrier to market expansion. Expenses include acquiring land, building specialized facilities, deploying charging infrastructure, and implementing advanced traffic control systems. Ongoing maintenance and adherence to safety and regulatory standards also add to the overall cost burden. These financial challenges can discourage investment and delay infrastructure rollout. Developing regions and smaller urban areas may struggle to secure the required funding, which restricts the pace of adoption and limits the ability to scale vertiport networks across diverse geographic locations.

Opportunity:

Advancements in autonomous and digital technologies

The evolution of autonomous and digital technologies is opening new possibilities for urban air mobility infrastructure. Tools such as artificial intelligence, sensor systems, and real-time analytics enhance flight coordination, efficiency, and safety. Automation reduces reliance on manual operations, lowering costs and improving consistency. Vertiports that incorporate smart technologies can offer better passenger services and more efficient logistics management. As digital innovation continues to grow, integrating these advancements into infrastructure supports large-scale deployment and ensures reliable performance, making urban air mobility systems more practical and

economically sustainable.

Threat:

Delays in commercialization of eVTOL aircraft

Slow progress in bringing eVTOL aircraft to commercial readiness presents a major challenge for vertiport infrastructure growth. Issues such as technical limitations, strict certification processes, and extensive testing can delay deployment timelines. Without functional aircraft, the need for supporting infrastructure remains uncertain. This uncertainty may discourage investors and impact funding availability for projects. Extended delays can weaken market confidence and slow overall industry development. Since infrastructure expansion is closely tied to aircraft availability, any postponement in commercialization creates challenges for planning and investment decisions within the urban air mobility ecosystem.

Covid-19 Impact:

The COVID-19 outbreak influenced the vertiport and urban air mobility infrastructure market in both negative and positive ways. Initially, restrictions, disrupted supply chains, and decreased funding slowed infrastructure development and delayed approvals. Construction activities were paused, affecting project timelines. However, the situation also emphasized the importance of fast, contactless transport systems, boosting interest in innovative mobility solutions. Demand for applications such as medical deliveries and emergency services increased. As recovery began, funding and development activities picked up again, with greater focus on building adaptable and efficient transportation infrastructure suited for future urban challenges.

The landing pads & runways segment is expected to be the largest during the forecast period

The landing pads & runways segment is expected to account for the largest market share during the forecast period because they are essential for aircraft functionality. They provide the core physical infrastructure required for safe departures and arrivals of eVTOL vehicles. The growing need for numerous vertiport locations across cities increases demand for these facilities to support efficient operations. Their construction requires adherence to stringent safety and structural standards, making them a major focus of investment. As the sector develops, the importance of widespread, reliable landing infrastructure ensures this segment maintains its dominant position in the

market.

The rooftop vertiports segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the rooftop vertiports segment is predicted to witness the highest growth rate because they make use of already available building spaces. Installing vertiports on rooftops of offices, parking facilities, and transport hubs reduces the need for new land, which is limited in urban areas. Their location improves convenience and shortens travel duration for users. Rising population density and limited space in cities are driving their popularity. As urban planners focus on integrating new mobility solutions into current infrastructure, rooftop vertiports are becoming a practical and efficient option for future expansion.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share because of its rapid technological progress, early acceptance of advanced transport systems, and substantial funding from government and private organizations. The region has a strong aviation foundation, evolving regulatory support, and active involvement from major aerospace and technology firms. Continuous pilot programs and partnerships are boosting infrastructure development. Growing demand for efficient urban mobility in large cities is also contributing to expansion. With strong industry presence and ongoing innovation efforts, the region maintains a leading role in shaping and advancing the urban air mobility ecosystem.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR because of expanding urban populations and increasing need for modern transportation systems. Governments are actively promoting smart city projects and investing in advanced mobility solutions to reduce congestion. Developing economies and improving technological expertise are boosting market potential. Partnerships and demonstration projects are speeding up infrastructure development. As urban areas look for efficient and scalable travel options, the region's emphasis on innovation and upgrading infrastructure is contributing to rapid expansion in urban air mobility networks.

Key players in the market

Some of the key players in Vertiport and Urban Air Mobility Infrastructure Market include Skyports, Vertiport Europe, UrbanV, Ferrovia, Urban-Air Port Ltd, Metropolis Technologies, Bayards Vertiports Solutions, Bluenest, Falcon Aviation, Giancarlo Zema Design Group, FS Sistemi Urbani, GS Engineering & Construction, Skyportz, Skyscape, Skyway Technologies, SLiNK-Tech, Groupe ADP and H3X Technologies.

Key Developments:

In January 2026, Skyports Infrastructure (Skyports) and Linden Airport Services Corporation have signed a memorandum of understanding (MOU) to develop, modernize, and operationalize Miami's Watson Island Heliport, providing Miami with an immediate landing zone for helicopters and a future hub for electric vertical take-off and landing (eVTOL) aircraft. The collaboration takes foundational steps to transform the existing, historic site into one of the nation's most advanced urban aviation facilities, supporting both traditional rotorcraft operations and next generation eVTOL aircraft.

In March 2025, Ferrovia has reached an agreement to acquire up to a 5.06% stake in 407 ETR from AtkinsRalis for approximately CAD \$2.09 billion. The transaction is structured in two tranches, with 3.30% to be acquired at closing and 1.76% deferred for up to 18 months post-closing through a put and call option agreement.

Components Covered:

Landing Pads & Runways

Charging & Refueling Stations

Air Traffic Management Systems

Safety & Security Systems

Vertiport Types Covered:

Ground-based Vertiports

Rooftop Vertiports

Floating Vertiports

Mobile Vertiports

Facility Types Covered:

Passenger Vertiports

Cargo Vertiports

Emergency Vertiports

Propulsion Types Covered:

Battery-Electric

Hybrid-Electric

Hydrogen Fuel Cell

End Users Covered:

Commercial Operators

Government & Defense

Private Users

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

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)

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

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

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)

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