

Urban Air Mobility - Company Evaluation Report, 2024

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Abstracts

The Urban Air Mobility Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Urban Air Mobility. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 15 Urban Air Mobility Companies were categorized and recognized as the quadrant leaders.

Urban air mobility (UAM) is transforming urban transportation by leveraging cutting-edge aerial technologies. By utilizing the vertical space of cities, UAM helps alleviate traffic congestion, shortens travel times, and improves overall urban mobility. Electric vertical takeoff and landing (eVTOL) aircraft, which are central to UAM systems, rely on electric propulsion, resulting in lower greenhouse gas emissions and reduced noise pollution compared to conventional transportation options. UAM also promotes inclusivity by improving access in underserved areas and offering rapid-response capabilities for emergency scenarios, such as medical evacuations.

Despite its promise, UAM integration faces several challenges. Developing a reliable infrastructure—including vertiports, electric charging hubs, and advanced air traffic management systems—is essential to accommodate high air traffic volumes. Ensuring safety is paramount, with UAM aircraft required to comply with rigorous regulatory standards to protect passengers and the public. Additionally, seamless integration into complex urban environments and coordination within existing airspace alongside traditional aircraft add further complexity. Regulatory limitations imposed by government authorities on the civil and commercial use of UAM also present significant obstacles to market growth.

The 360 Quadrant maps the Urban Air Mobility companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for

the market presence of the Urban Air Mobility quadrant. The top criteria for product footprint evaluation included By SOLUTION (Platform, Infrastructure), By PLATFORM ARCHITECTURE (Rotary Wing, Fixed-Wing Hybrid, Fixed Wing), By MOBILITY TYPE (Air Taxis, Air Shuttles & Air Metro, Personal Air Vehicles, Cargo Air Vehicles, Air Ambulances & Medical Emergency Vehicles), By END USER (Ridesharing Companies, Scheduled Operators, E-Commerce Companies, Hospitals & Medical Agencies, Private Operators), By MODE OF OPERATION (Piloted, Autonomous), and By RANGE (Intercity (>100 Km), Intracity (

Contents

1 INTRODUCTION

- 1.1 MARKET DEFINITION
- 1.2 INCLUSIONS AND EXCLUSIONS
- 1.3 STAKEHOLDERS

2 EXECUTIVE SUMMARY

3 MARKET OVERVIEW

3.1 INTRODUCTION

3.2 MARKET DYNAMICS

3.2.1 DRIVERS

- 3.2.1.1 Rise in urban congestion
- 3.2.1.2 Shift of rural population to urban areas
- 3.2.1.3 Technological advancements in battery technology and electric propulsion systems

- 3.2.1.4 Smart city initiatives

3.2.2 RESTRAINTS

- 3.2.2.1 High initial investment
- 3.2.2.2 Increase in urban airspace congestion

3.2.3 OPPORTUNITIES

- 3.2.3.1 Growing demand for shorter travel time and efficient transportation
- 3.2.3.2 Need for sustainable transportation solutions

3.2.4 CHALLENGES

- 3.2.4.1 Cybersecurity concerns
- 3.2.4.2 Lack of skilled labor

3.3 VALUE CHAIN ANALYSIS

3.4 ECOSYSTEM ANALYSIS

3.4.1 PROMINENT COMPANIES

3.4.2 PRIVATE AND SMALL ENTERPRISES

3.4.3 END USERS

3.5 TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS

3.6 IMPACT OF AI/GENERATIVE AI ON URBAN AIR MOBILITY MARKET

3.6.1 INTRODUCTION

3.6.2 ADOPTION OF AI/GENERATIVE AI IN TOP COUNTRIES FOR COMMERCIAL AVIATION

4 INDUSTRY TRENDS

4.1 INTRODUCTION

4.2 TECHNOLOGY TRENDS

4.2.1 PLATFORM

4.2.1.1 Hydrogen propulsion

4.2.1.2 Flight management systems (FMS)

4.2.1.3 Advanced materials and manufacturing techniques

4.2.2 INFRASTRUCTURE

4.2.2.1 Internet of Things (IoT)

4.2.2.2 Vertically integrated facilities

4.3 TECHNOLOGY ANALYSIS

4.3.1 KEY TECHNOLOGIES

4.3.1.1 Electric propulsion and battery technology

4.3.1.2 Lift + cruise configuration

4.3.1.3 Urban air traffic management

4.3.2 COMPLEMENTARY TECHNOLOGIES

4.3.2.1 Robotics

4.3.2.2 Charging infrastructure

4.3.3 ADJACENT TECHNOLOGIES

4.3.3.1 Application development for urban air mobility

4.4 IMPACT OF MEGATRENDS

4.4.1 ARTIFICIAL INTELLIGENCE

4.4.2 SUSTAINABLE AVIATION FUEL

4.5 PATENT ANALYSIS

5 COMPETITIVE LANDSCAPE

5.1 INTRODUCTION

5.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

5.3 REVENUE ANALYSIS

5.4 MARKET SHARE ANALYSIS

5.5 COMPANY EVALUATION MATRIX: KEY PLAYERS (BY PLATFORM), 2023

5.5.1 STARS

5.5.2 EMERGING LEADERS

5.5.3 PERVASIVE PLAYERS

5.5.4 PARTICIPANTS

5.6 COMPANY EVALUATION MATRIX: KEY PLAYERS (BY INFRASTRUCTURE),

2023

5.6.1 STARS

5.6.2 EMERGING LEADERS

5.6.3 PERVASIVE PLAYERS

5.6.4 PARTICIPANTS

5.7 COMPANY FOOTPRINT

5.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES (BY SOLUTION), 2023

5.8.1 PROGRESSIVE COMPANIES

5.8.2 RESPONSIVE COMPANIES

5.8.3 DYNAMIC COMPANIES

5.8.4 STARTING BLOCKS

5.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023

5.9 COMPANY VALUATION AND FINANCIAL METRICS

5.10 COMPETITIVE SCENARIO

5.11 MARKET EVALUATION FRAMEWORK

5.11.1 PRODUCT LAUNCHES AND DEVELOPMENTS

5.11.2 DEALS

5.11.3 OTHER DEVELOPMENTS

5.12 BRAND COMPARISON

6 COMPANY PROFILES

6.1 KEY PLAYERS

6.1.1 AIRBUS

6.1.1.1 Business overview

6.1.1.2 Products/Solutions/Services offered

6.1.1.3 Recent developments

6.1.1.4 MnM view

6.1.1.4.1 Key strengths

6.1.1.4.2 Strategic choices

6.1.1.4.3 Weaknesses and competitive threats

6.1.2 EVE HOLDING, INC.

6.1.2.1 Business overview

6.1.2.2 Products/Solutions/Services offered

6.1.2.3 Recent developments

6.1.2.4 MnM view

6.1.2.4.1 Key strengths

6.1.2.4.2 Strategic choices

6.1.2.4.3 Weaknesses and competitive threats

6.1.3 VERTICAL AEROSPACE

- 6.1.3.1 Business overview
- 6.1.3.2 Products/Solutions/Services offered
- 6.1.3.3 Recent developments
- 6.1.3.4 MnM view
 - 6.1.3.4.1 Key strengths
 - 6.1.3.4.2 Strategic choices
 - 6.1.3.4.3 Weaknesses and competitive threats

6.1.4 EHANG

- 6.1.4.1 Business overview
- 6.1.4.2 Products/Solutions/Services offered
- 6.1.4.3 Recent developments
- 6.1.4.4 MnM view
 - 6.1.4.4.1 Key strengths
 - 6.1.4.4.2 Strategic choices
 - 6.1.4.4.3 Weaknesses and competitive threats

6.1.5 ARCHER AVIATION INC.

- 6.1.5.1 Business overview
- 6.1.5.2 Products/Solutions/Services offered
- 6.1.5.3 Recent developments
- 6.1.5.4 MnM view
 - 6.1.5.4.1 Key strengths
 - 6.1.5.4.2 Strategic choices
 - 6.1.5.4.3 Weaknesses and competitive threats

6.1.6 TEXTRON INC.

- 6.1.6.1 Business overview
- 6.1.6.2 Products/Solutions/Services offered
- 6.1.6.3 Recent developments

6.1.7 JOBY AVIATION

- 6.1.7.1 Business overview
- 6.1.7.2 Products/Solutions/Services offered
- 6.1.7.3 Recent developments

6.1.8 FERROVIAL

- 6.1.8.1 Business overview
- 6.1.8.2 Products/Solutions/Services offered
- 6.1.8.3 Recent developments

6.1.9 SKYPORTS INFRASTRUCTURE LIMITED

- 6.1.9.1 Business overview
- 6.1.9.2 Products/Solutions/Services offered

6.1.10 WISK AERO LLC

6.1.10.1 Business overview

6.1.10.2 Products/Services/Solutions offered

6.1.10.3 Recent developments

6.1.11 JAUNT AIR MOBILITY LLC.

6.1.11.1 Business overview

6.1.11.2 Products/Solutions/Services offered

6.1.11.3 Recent developments

6.1.12 LILIUM GMBH

6.1.12.1 Business overview

6.1.12.2 Products/Solutions/Services offered

6.1.12.3 Recent developments

6.1.13 WINGCOPTER

6.1.13.1 Business overview

6.1.13.2 Products/Solutions/Services offered

6.1.13.3 Recent developments

6.1.14 BETA TECHNOLOGIES

6.1.14.1 Business overview

6.1.14.2 Products/Solutions/Services offered

6.1.14.3 Recent developments

6.1.15 VOLOCOPTER GMBH

6.1.15.1 Business overview

6.1.15.2 Products/Solutions/Services offered

6.1.15.3 Recent developments

6.2 OTHER PLAYERS

6.2.1 ARC AERO SYSTEMS

6.2.2 SKYDRIVE INC.

6.2.3 ELECTRA.AERO

6.2.4 AUTOFLIGHT

6.2.5 OVERAIR, INC.

6.2.6 MANTA AIRCRAFT

6.2.7 AIR VEV LTD

6.2.8 URBAN AERONAUTICS LTD.

6.2.9 SKYRYSE, INC.

6.2.10 ASCENDANCE FLIGHT TECHNOLOGIES S.A.S.

7 APPENDIX

7.1 RESEARCH METHODOLOGY

7.1.1 RESEARCH DATA

7.1.1.1 Secondary data

7.1.1.2 Primary data

7.1.2 RISK ASSESSMENT

7.1.3 RESEARCH ASSUMPTIONS

7.1.4 RESEARCH LIMITATIONS

7.2 COMPANY EVALUATION MATRIX: METHODOLOGY

7.3 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 URBAN AIR MOBILITY MARKET: INCLUSIONS AND EXCLUSIONS

TABLE 2 URBAN AIR MOBILITY MARKET: ROLE OF COMPANIES IN ECOSYSTEM

TABLE 3 MAJOR PATENTS IN URBAN AIR MOBILITY MARKET, 2023?2024

TABLE 4 KEY STRATEGIES ADOPTED BY KEY PLAYERS, 2023

TABLE 5 URBAN AIR MOBILITY MARKET: DEGREE OF COMPETITION

TABLE 6 URBAN AIR MOBILITY MARKET: COMPANY SOLUTION FOOTPRINT

TABLE 7 URBAN AIR MOBILITY MARKET: COMPANY RANGE FOOTPRINT

TABLE 8 URBAN AIR MOBILITY MARKET: COMPANY MODE OF OPERATION
FOOTPRINT

TABLE 9 URBAN AIR MOBILITY MARKET: COMPANY REGION FOOTPRINT

TABLE 10 URBAN AIR MOBILITY MARKET: LIST OF STARTUPS/SMES

TABLE 11 URBAN AIR MOBILITY MARKET: COMPETITIVE BENCHMARKING OF
KEY STARTUPS/SMES

TABLE 12 URBAN AIR MOBILITY MARKET: PRODUCT LAUNCHES AND
DEVELOPMENTS, JANUARY 2021–JULY 2024

TABLE 13 URBAN AIR MOBILITY MARKET: DEALS, JANUARY 2021–JULY 2024

TABLE 14 URBAN AIR MOBILITY MARKET: OTHER DEVELOPMENTS, JANUARY
2021–JULY 2024

TABLE 15 AIRBUS: COMPANY OVERVIEW

TABLE 16 AIRBUS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 17 AIRBUS: PRODUCT LAUNCHES

TABLE 18 AIRBUS: DEALS

TABLE 19 EVE HOLDING, INC.: COMPANY OVERVIEW

TABLE 20 EVE HOLDING, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 21 EVE HOLDING, INC.: DEALS

TABLE 22 VERTICAL AEROSPACE: COMPANY OVERVIEW

TABLE 23 VERTICAL AEROSPACE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 24 VERTICAL AEROSPACE: DEALS

TABLE 25 VERTICAL AEROSPACE: OTHER DEVELOPMENTS

TABLE 26 EHANG: COMPANY OVERVIEW

TABLE 27 EHANG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 28 EHANG: DEALS

TABLE 29 EHANG: OTHERS

TABLE 30 ARCHER AVIATION INC.: COMPANY OVERVIEW

TABLE 31 ARCHER AVIATION INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 32 ARCHER AVIATION INC.: DEALS

TABLE 33 ARCHER AVIATION INC.: OTHER DEVELOPMENTS

TABLE 34 TEXTRON INC.: COMPANY OVERVIEW

TABLE 35 TEXTRON INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 36 TEXTRON INC.: DEALS

TABLE 37 TEXTRON INC.: OTHER DEVELOPMENTS

TABLE 38 JOBY AVIATION: COMPANY OVERVIEW

TABLE 39 JOBY AVIATION: SERVICES/SOLUTIONS OFFERED

TABLE 40 JOBY AVIATION: DEALS

TABLE 41 JOBY AVIATION: OTHER DEVELOPMENTS

TABLE 42 FERROVIAL: COMPANY OVERVIEW

TABLE 43 FERROVIAL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 44 FERROVIAL: DEALS

TABLE 45 FERROVIAL: OTHER DEVELOPMENTS

TABLE 46 SKYPORTS INFRASTRUCTURE LIMITED: COMPANY OVERVIEW

TABLE 47 SKYPORTS INFRASTRUCTURE LIMITED:
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 48 SKYPORTS INFRASTRUCTURE LIMITED: DEALS

TABLE 49 SKYPORTS INFRASTRUCTURE LIMITED: OTHERS

TABLE 50 WISK AERO LLC: COMPANY OVERVIEW

TABLE 51 WISK AERO LLC: PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 52 WISK AERO LLC: DEALS

TABLE 53 WISK AERO LLC: OTHER DEVELOPMENTS

TABLE 54 JAUNT AIR MOBILITY LLC.: COMPANY OVERVIEW

TABLE 55 JAUNT AIR MOBILITY LLC.: PRODUCTS/SOLUTIONS/SERVICES
OFFERED

TABLE 56 JAUNT AIR MOBILITY LLC.: DEALS

TABLE 57 LILIUM GMBH: COMPANY OVERVIEW

TABLE 58 LILIUM GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 59 LILIUM GMBH: DEALS

TABLE 60 LILIUM GMBH: OTHER DEVELOPMENTS

TABLE 61 WINGCOPTER: COMPANY OVERVIEW

TABLE 62 WINGCOPTER: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 63 WINGCOPTER: DEALS

TABLE 64 WINGCOPTER: OTHER DEVELOPMENTS

TABLE 65 BETA TECHNOLOGIES: COMPANY OVERVIEW

TABLE 66 BETA TECHNOLOGIES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 67 BETA TECHNOLOGIES: DEALS

TABLE 68 BETA TECHNOLOGIES: OTHER DEVELOPMENTS

TABLE 69 VOLOCOPTER GMBH: COMPANY OVERVIEW
TABLE 70 VOLOCOPTER GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 71 VOLOCOPTER GMBH: DEALS
TABLE 72 VOLOCOPTER GMBH: OTHER DEVELOPMENTS
TABLE 73 ARC AERO SYSTEMS: COMPANY OVERVIEW
TABLE 74 SKYDRIVE INC.: COMPANY OVERVIEW
TABLE 75 ELECTRA.AERO: COMPANY OVERVIEW
TABLE 76 AUTOFLIGHT: COMPANY OVERVIEW
TABLE 77 OVERAIR, INC.: COMPANY OVERVIEW
TABLE 78 MANTA AIRCRAFT: COMPANY OVERVIEW
TABLE 79 AIR VEV LTD: COMPANY OVERVIEW
TABLE 80 URBAN AERONAUTICS LTD.: COMPANY OVERVIEW
TABLE 81 SKYRYSE, INC.: COMPANY OVERVIEW
TABLE 82 ASCENDANCE FLIGHT TECHNOLOGIES S.A.S.: COMPANY OVERVIEW

LIST OF TABLES

FIGURE 1 INTERCITY (>100 KM) SEGMENT TO HOLD LEADING MARKET SHARE IN 2024
FIGURE 2 AIR TAXIS TO SURPASS OTHER SEGMENTS DURING FORECAST PERIOD
FIGURE 3 PLATFORM TO HOLD LARGER MARKET SHARE THAN INFRASTRUCTURE BETWEEN 2024 AND 2035
FIGURE 4 NORTH AMERICA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD
FIGURE 5 URBAN AIR MOBILITY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
FIGURE 6 VALUE CHAIN ANALYSIS
FIGURE 7 URBAN AIR MOBILITY MARKET ECOSYSTEM
FIGURE 8 TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS
FIGURE 9 AI/GENERATIVE AI LANDSCAPE
FIGURE 10 AI/GENERATIVE AI ADOPTION IN TOP COUNTRIES FOR COMMERCIAL AVIATION
FIGURE 11 LIST OF MAJOR PATENTS RELATED TO URBAN AIR MOBILITY MARKET
FIGURE 12 REVENUE ANALYSIS OF TOP 5 PLAYERS, 2021–2023
FIGURE 13 MARKET SHARE ANALYSIS, 2023
FIGURE 14 URBAN AIR MOBILITY MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS) BY PLATFORM, 2023

FIGURE 15 URBAN AIR MOBILITY MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), BY INFRASTRUCTURE, 2023

FIGURE 16 URBAN AIR MOBILITY MARKET: COMPANY FOOTPRINT

FIGURE 17 URBAN AIR MOBILITY MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), BY SOLUTION, 2023

FIGURE 18 COMPANY VALUATION OF KEY PLAYERS, 2023

FIGURE 19 EV/EBIDTA OF KEY PLAYERS, 2023

FIGURE 20 AIRBUS: COMPANY SNAPSHOT

FIGURE 21 WISK AERO LLC: COMPANY SNAPSHOT

FIGURE 22 RESEARCH DESIGN

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