

Advanced Air Mobility Market Size, Share & Trends Analysis Report By Maximum Take-off Weight, By Component, By Application, By End-user, By Operating Mode, By Type, By Product, By Propulsion Type, By Range, And Segment Forecasts, 2023 - 2035

<https://marketpublishers.com/r/AF73A51D2866EN.html>

Date: July 2023

Pages: 300

Price: US\$ 4,950.00 (Single User License)

ID: AF73A51D2866EN

Abstracts

This report can be delivered to the clients within 7 Business Days

Advanced Air Mobility Market Growth & Trends

The global advanced air mobility market size is expected to reach USD 137.11 billion by 2035, growing at a CAGR of 24.6% from 2023 to 2035, according to a new study by Grand View Research, Inc. The development of flight technologies and modern aircraft designs is anticipated to add to the demand in the market. Moreover, the increasing issue of vehicular traffic congestion around the world is further expected to drive the demand for Advanced Air Mobility (AAM) solutions to transport cargo and people. The drone type segment is anticipated to record a CAGR of 23.6% over the forecast period as a result of the application of drones in e-commerce, healthcare, and logistics, among other sectors. Furthermore, the market is anticipated to grow due to the trend of autonomous flight and controls as it helps increase flight efficiency and reduce fuel consumption.

The fully autonomous operating mode segment is expected to witness a CAGR of 27.6% over the forecast period due to the investment in automation technology by industry players to attain full autonomy. In addition, partnerships and collaborations between companies in the AAM industry is a key factor for the market growth. For instance, in May 2023, Supernal LLC and Inmarsat Global Ltd. entered into a partnership to deploy satellite connectivity in advanced air mobility. In addition, the

developments in electrical propulsion systems are anticipated to be a key factor for market growth. The cost-effective and minimal carbon output advantages of electrical propulsion are predicted to attract companies to develop innovative solutions. The electric propulsion type segment held a share of around 71% in 2022 due to its high efficiency and minimum noise.

Advanced Air Mobility Market Report Highlights

The hardware component segment recorded the highest share of 84.7% in 2022 owing to the growing demand for aerostructures and avionics used in AAM solutions

The surveillance & monitoring application segment dominated the market with a share of 23.41% in 2022 due to the use of drones for inspection in remote and inaccessible areas

The commercial end-user segment is expected to grow at a significant CAGR of 25.3% from 2023 to 2035 owing to the investment in urban air mobility by market leaders

The rotary blade product segment dominated the market with a share of over 70% in 2022

Based on maximum takeoff weight, the

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market Segmentation & Scope
- 1.2 Market Definitions
- 1.3 Information Procurement
 - 1.3.1 Information analysis
 - 1.3.2 Market formulation & data visualization
 - 1.3.3 Data validation & publishing
- 1.4 Research Scope and Assumptions
 - 1.4.1 List of data sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot
- 2.2 Segment Snapshot
- 2.3 Competitive Landscape Snapshot

CHAPTER 3 INDUSTRY OUTLOOK

- 3.1 Market Lineage
- 3.2 Industry Value Chain Analysis
- 3.3 Market Dynamics
 - 3.3.1 Market driver analysis
 - 3.3.2 Market restraint analysis
 - 3.3.3 Industry Opportunities & Challenges
- 3.5 Industry Analysis Tools
 - 3.5.1 Porter's analysis
 - 3.5.2 Macroeconomic analysis
- 3.6 Advanced Air Mobility - Market Overview
 - 3.6.1 AAM charging infrastructure developments
 - 3.6.2 Air traffic management facility
 - 3.6.3 Air shuttles & air metro trends
 - 3.6.4 Last-mile delivery trends
- 3.7 Technology Roadmap
 - 3.7.1 Significant market developments
- 3.8 Technology Trends
 - 3.8.1 Automatic ground controls systems

- 3.8.2 Drone traffic management systems
- 3.8.3 Advancements in AAM propulsion technology
- 3.8.4 Raw material and manufacturing trends in AAM
- 3.8.5 Advancements in autonomous AAM operation
 - 3.8.5.1 Collision avoidance systems
 - 3.8.5.2 Global positioning systems
- 3.8.6 Adjacent technologies in AAM
 - 3.8.6.1 Artificial intelligence
 - 3.8.6.2 5G
 - 3.8.6.3 IoT
 - 3.8.6.4 Edge computing and cloud computing
 - 3.8.6.5 Blockchain
 - 3.8.6.6 Cybersecurity
 - 3.8.6.7 Industry 4.0
- 3.9 Regulatory Landscape
 - 3.9.1 Key authorities and regulations across the globe
- 3.10 Advanced Air Mobility (AAM) Market - Patent Analysis
- 3.11 Advanced Air Mobility (AAM) Market - Case Studies
- 3.12 Advanced Air Mobility (AAM) Market - COVID-19 Impact Analysis

CHAPTER 4 ADVANCED AIR MOBILITY MARKET COMPONENT OUTLOOK

- 4.1 Advanced Air Mobility Market Share By Component, 2018 - 2035 (USD Million)
- 4.2 Component Movement Analysis & Market Share, 2022 & 2035
- 4.3 Advanced Air Mobility Market Estimates & Forecast, By Component (USD Million)
 - 4.3.1 Hardware
 - 4.3.1.1 Aerostructure
 - 4.3.1.2 Avionics
 - 4.3.1.3 Flight control system
 - 4.3.1.4 Propulsion system
 - 4.3.1.5 Others
 - 4.3.2 Software

CHAPTER 5 ADVANCED AIR MOBILITY MARKET APPLICATION OUTLOOK

- 5.1 Advanced air mobility Market Share By Application, 2018 - 2035 (USD Million)
- 5.2 Application Movement Analysis & Market Share, 2022 & 2035
- 5.3 Advanced Air Mobility Market Estimates & Forecast, By Application (USD Million)
 - 5.3.1 Cargo Transport

- 5.3.2 Passenger Transport
- 5.3.3 Mapping & Surveying
- 5.3.4 Special Mission
- 5.3.5 Surveillance & Monitoring
- 5.3.6 Others

CHAPTER 6 ADVANCED AIR MOBILITY MARKET END-USER OUTLOOK

- 6.1 Advanced Air Mobility Market Share By End-user, 2018 - 2035 (USD Million)
- 6.2 End-user Movement Analysis & Market Share, 2022 & 2035
- 6.3 Advanced Air Mobility Market Estimates & Forecast, By End-user (USD Million)
 - 6.3.1 Commercial
 - 6.3.1.1 E-commerce
 - 6.3.1.2 Commercial Ridesharing Operators
 - 6.3.1.3 Private Operators
 - 6.3.1.4 Medical Emergency Organizations
 - 6.3.1.5 Others
 - 6.3.2 Government & Military

CHAPTER 7 ADVANCED AIR MOBILITY MARKET PRODUCT OUTLOOK

- 7.1 Advanced Air Mobility Market Share By Product, 2018 - 2035 (USD Million)
- 7.2 Product Movement Analysis & Market Share, 2022 & 2035
- 7.3 Advanced Air Mobility Market Estimates & Forecast, By Product (USD Million)
 - 7.3.1 Fixed Wing
 - 7.3.2 Rotary Blade
 - 7.3.3 Hybrid

CHAPTER 8 ADVANCED AIR MOBILITY MARKET TYPE OUTLOOK

- 8.1 Advanced Air Mobility Market Share By Type, 2018 - 2035 (USD Million)
- 8.2 Type Movement Analysis & Market Share, 2022 & 2035
- 8.3 Advanced Air Mobility Market Estimates & Forecast, By Type (USD Million)
 - 8.3.1 Air Taxis
 - 8.3.2 Drones
 - 8.3.3 Others

CHAPTER 9 ADVANCED AIR MOBILITY MARKET MAXIMUM TAKE-OFF WEIGHT OUTLOOK

9.1 Advanced Air Mobility Market Share By Maximum Take-off Weight, 2018 - 2035 (USD Million)

9.2 Maximum Take-off Weight Movement Analysis & Market Share, 2022 & 2035

9.3 Advanced Air Mobility Market Estimates & Forecast, By Maximum Take-off Weight (USD Million)

9.3.1 300 kg

CHAPTER 10 ADVANCED AIR MOBILITY MARKET OPERATING MODE OUTLOOK

10.1 Advanced Air Mobility Market Share By Operating Mode, 2018 - 2035 (USD Million)

10.2 Operating Mode Movement Analysis & Market Share, 2022 & 2035

10.3 Advanced Air Mobility Market Estimates & Forecast, By Operating Mode (USD Million)

10.3.1 Remotely Piloted

10.3.2 Partially Piloted

10.3.3 Fully Autonomous

CHAPTER 11 ADVANCED AIR MOBILITY MARKET PROPULSION TYPE OUTLOOK

11.1 Advanced Air Mobility Market Share By Propulsion Type, 2018 - 2035 (USD Million)

11.2 Propulsion Type Movement Analysis & Market Share, 2022 & 2035

11.3 Advanced Air Mobility Market Estimates & Forecast, By Propulsion Type (USD Million)

11.3.1 Gasoline

11.3.2 Electric

11.3.3 Hybrid

CHAPTER 12 ADVANCED AIR MOBILITY MARKET RANGE OUTLOOK

12.1 Advanced Air Mobility Market Share By Range, 2018 - 2035 (USD Million)

12.2 Range Movement Analysis & Market Share, 2022 & 2035

12.3 Advanced Air Mobility Market Estimates & Forecast, By Range (USD Million)

12.3.1 Intracity (20 km - 100 km)

12.3.2 Intercity (Above 100 km)

CHAPTER 13 ADVANCED AIR MOBILITY REGIONAL OUTLOOK

13.1 Advanced Air Mobility Market Share By Region, 2022 & 2035

13.2 North America

13.2.1 North America advanced air mobility market, 2018 - 2035

13.2.2 U.S.

13.2.2.1 U.S. advanced air mobility market, 2018 - 2035 (USD Million)

13.2.3 Canada

13.2.3.1 Canada advanced air mobility market, 2018 - 2035 (USD Million)

13.3 Europe

13.3.1 Europe advanced air mobility market, 2018 - 2035

13.3.2 UK

13.3.2.1 UK advanced air mobility market, 2018 - 2035 (USD Million)

13.3.3 Germany

13.3.3.1 Germany advanced air mobility market, 2018 - 2035 (USD Million)

13.3.4 Italy

13.3.4.1 Italy advanced air mobility market, 2018 - 2035 (USD Million)

13.3.5 France

13.3.5.1 France advanced air mobility market, 2018 - 2035 (USD Million)

13.4 Asia Pacific

13.4.1 Asia Pacific advanced air mobility market, 2018 - 2035

13.4.2 China

13.4.2.1 China advanced air mobility market, 2018 - 2035 (USD Million)

13.4.3 Japan

13.4.3.1 Japan advanced air mobility market, 2018 - 2035 (USD Million)

13.4.4 South Korea

13.4.4.1 South Korea advanced air mobility market, 2018 - 2035 (USD Million)

13.4.5 India

13.4.5.1 India advanced air mobility market, 2018 - 2035 (USD Million)

13.4.6 Australia

13.4.6.1 Australia advanced air mobility market, 2018 - 2035 (USD Million)

13.5 Latin America

13.5.1 South America advanced air mobility market, 2018 - 2035

13.5.2 Brazil

13.5.2.1 Brazil advanced air mobility market, 2018 - 2035 (USD Million)

13.5.3 Mexico

13.5.3.1 Mexico advanced air mobility market, 2018 - 2035 (USD Million)

13.6 MEA

13.6.1 MEA advanced air mobility market, 2018 - 2035

13.6.2 Saudi Arabia

13.6.2.1 Saudi Arabia advanced air mobility market, 2018 - 2035 (USD Million)

13.6.3 UAE

13.6.3.1 UAE advanced air mobility market, 2018 - 2035 (USD Million)

CHAPTER 14 COMPETITIVE LANDSCAPE

14.1 Key Market Participants

14.1.1 Airbus S.A.S.

14.1.2 Aurora Flight Sciences

14.1.3 Bell Textron Inc.

14.1.4 The Boeing Company

14.1.5 Guangzhou EHang Intelligent Technology Co. Ltd

14.1.6 Embraer S.A.

14.1.7 Joby Aviation, Inc.

14.1.8 Lilium GmbH

14.1.9 Neva Aerospace

14.1.10 Opener, Inc.

14.1.11 PIPISTREL (Textron Inc.)

14.1.12 Terrafugia, Inc.

14.1.13 Vertical Aerospace Group Ltd.

14.1.14 Volocopter GmbH

14.1.15 Wisk Aero

14.1.16 Workhorse Group, Inc.

14.2 Company Categorization

14.3 Participant's Overview

14.4 Financial Performance

14.5 Product Benchmarking

14.6 Company Heat Map Analysis

14.7 Company Market Share Analysis, 2022

14.8 Strategy Mapping

14.8.1 Expansion

14.8.2 Mergers & acquisitions

14.8.3 Collaborations

14.8.4 New product launches

14.8.5 Research & development

List Of Tables

LIST OF TABLES

TABLE 1 Advanced air mobility market - key market driver impact

TABLE 2 Key market restraint/challenges impact

TABLE 3 Global advanced air mobility market revenue estimates and forecast, by component, 2018 - 2035, (USD Million)

TABLE 4 Global advanced air mobility market revenue estimates and forecast, by application, 2018 - 2035, (USD Million)

TABLE 5 Global advanced air mobility market revenue estimates and forecast, by end-user, 2018 - 2035 (USD Million)

TABLE 6 Global advanced air mobility market revenue estimates and forecast, by product, 2018 - 2035, (USD Million)

TABLE 7 Global advanced air mobility market revenue estimates and forecast, by type, 2018 - 2035, (USD Million)

TABLE 8 Global advanced air mobility market revenue estimates and forecast, by maximum take-off weight, 2018 - 2035 (USD Million)

TABLE 9 Global advanced air mobility market revenue estimates and forecast, by operating mode, 2018 - 2035 (USD Million)

TABLE 10 Global advanced air mobility market revenue estimates and forecast, by propulsion type, 2018 - 2035 (USD Million)

TABLE 11 Global advanced air mobility market revenue estimates and forecast, by range, 2018 - 2035 (USD Million)

TABLE 12 Company heat map analysis

TABLE 13 Key companies undergoing expansion

TABLE 14 Key companies involved in mergers & acquisitions

TABLE 15 Key companies involved in collaborations

TABLE 16 Key companies new product launches

TABLE 17 Key companies research & development

List Of Figures

LIST OF FIGURES

- FIG. 1 Market snapshot
- FIG. 2 Information procurement
- FIG. 3 Data analysis models
- FIG. 4 Market formulation and validation
- FIG. 5 Data validating & publishing
- FIG. 6 Market snapshot
- FIG. 7 Segment snapshot
- FIG. 8 Competitive landscape snapshot
- FIG. 9 Advanced air mobility market value, 2022 & 2035 (USD Million)
- FIG. 10 Key opportunity analysis
- FIG. 11 Industry value chain analysis
- FIG. 12 Market dynamics
- FIG. 13 Porter's analysis
- FIG. 14 PESTEL analysis
- FIG. 15 Advanced air mobility market, by component, key takeaways
- FIG. 16 Advanced air mobility market, by component, market share, 2022 & 2035
- FIG. 17 Hardware market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 18 Software market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 19 Advanced air mobility market, by end-user, key takeaways
- FIG. 20 Advanced air mobility market, by end-user, market share, 2022 & 2035
- FIG. 21 Commercial market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 22 Government & military market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 23 Advanced air mobility market, by product, key takeaways
- FIG. 24 Advanced air mobility market, by product, market share, 2022 & 2035
- FIG. 25 Fixed wing market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 26 Rotary blade market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 27 Hybrid market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 28 Advanced air mobility market, by type, key takeaways
- FIG. 29 Advanced air mobility market, by type, market share, 2022 & 2035
- FIG. 30 Air taxis market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 31 Drones market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 32 Others market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 33 Advanced air mobility market, by maximum take-off weight, key takeaways
- FIG. 34 Advanced air mobility market, by maximum take-off weight, market share, 2022 & 2035

- FIG. 35 \$\$\$100 kg market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 36 100 kg – 300 kg market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 37 \$\$\$\$300 kg market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 38 Advanced air mobility market, by operating mode, key takeaways
- FIG. 39 Advanced air mobility market, by operating mode, market share, 2022 & 2035
- FIG. 40 Remotely piloted market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 41 Partially piloted market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 42 Fully autonomous market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 43 Advanced air mobility market, by propulsion type, key takeaways
- FIG. 44 Advanced air mobility market, by propulsion type, market share, 2022 & 2035
- FIG. 45 Gasoline market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 46 Electric market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 47 Hybrid market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 48 Advanced air mobility market, by range, key takeaways
- FIG. 49 Advanced air mobility market, by range, market share, 2022 & 2035
- FIG. 50 Intracity market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 51 Intercity market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 52 Advanced air mobility market, by application, key takeaways
- FIG. 53 Advanced air mobility market, by application, market share, 2022 & 2035
- FIG. 54 Cargo transport market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 55 Passenger transport market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 56 Mapping & surveying market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 57 Special mission market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 58 Surveillance & monitoring market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 59 Others market estimates & forecasts, 2018 - 2035 (USD Million)
- FIG. 60 Advanced air mobility market revenue, by region, 2022 & 2035, (USD Million)
- FIG. 61 North America advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)
- FIG. 62 U.S. advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)
- FIG. 63 Canada advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)
- FIG. 64 Europe advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)
- FIG. 65 UK advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)
- FIG. 66 Germany advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 67 Italy advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 68 France advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 69 Asia Pacific advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 70 China advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 71 Japan advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 72 South Korea advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 73 India advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 74 Australia advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 75 Latin America advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 76 Brazil advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 77 Mexico advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 78 MEA advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 79 Saudi Arabia advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 80 UAE advanced air mobility market estimates & forecast, 2018 - 2035 (USD Million)

FIG. 81 Strategic framework

I would like to order

Product name: Advanced Air Mobility Market Size, Share & Trends Analysis Report By Maximum Take-off Weight, By Component, By Application, By End-user, By Operating Mode, By Type, By Product, By Propulsion Type, By Range, And Segment Forecasts, 2023 - 2035

Product link: <https://marketpublishers.com/r/AF73A51D2866EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AF73A51D2866EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970