

Europe eVTOL Aircraft Market By Application (Commercial, Military and Cargo), By Propulsion Type (Hybrid Electric, Fully Electric, Electric Hydrogen), By Lift Technology (vectored Thrust, Lift Plus Cruise, Multicopter and others), By Operation Mode (Autonomous, Semi-Autonomous and Piloted), By Range (upto 200km, 201-500Km), By Country Competition, Forecast & Opportunities, 2018-2030F

<https://marketpublishers.com/r/E078504836B1EN.html>

Date: August 2023

Pages: 87

Price: US\$ 4,400.00 (Single User License)

ID: E078504836B1EN

Abstracts

The European eVTOL Aircraft market is likely to expand at a vigorous rate in the upcoming years. The growing demand for green energy and noise-free aircraft, along with increasing use of eVTOL aircraft for freight applications and increasing desire for an alternative means of transportation, are factors driving the growth of this market. Electrically powered urban air mobility vehicles, eVTOLs, emit zero-emissions, giving them a significant advantage over most of the current ground and air vehicles, which continue to run on fossil fuels.

Recent Developments

Volocopter GmbH, a German aircraft manufacturer and a pioneer in urban air mobility (UAM), have planned to offer the world's first-ever eVTOL suite of services using passenger air taxis and heavy-lift freight drones between 2024 and 2026. In addition, in March 2022, Jetex and Volocopter inked a strategic collaboration agreement to create a safe and sustainable paradigm of urban air mobility. The alliance was formed to deploy and operate permanent, economically viable, and integrated UAM taxi 'takeoff and landing infrastructure and passenger transportation services.

Wisk Aero received \$450 million from The Boeing Company in January 2022 to continue develop Wisk's sixth generation eVTOL aircraft. It also assists the company as it enters an aggressive expansion phase in preparation for the introduction of scale manufacturing.

The Rise of Electric-Propulsion-Based eVTOL Aircraft

The aviation industry is one of the fastest-growing sources of greenhouse gas emissions, contributing to Europe's climate change. The development of eVTOL aircraft, powered by electric propulsion reduces the environmental impact in terms of noise and pollutant emissions. As a result, government rules and policies aimed at decreasing emissions promote demand for eVTOL aircraft powered by electric propulsion. Across Europe, big players' and startups' of eVTOL aircraft partnerships are increasing. For example, in May 2022, Volocopter, a German startup, announced a partnership with Jetex, an aircraft ground handling company, to install and operate permanent vertiport infrastructure for passenger services. The startup will begin its operations in 2024. eVTOL planes can fly for extended periods of time, making them a sustainable alternative.

Furthermore, Jetson AB, a Swedish eVTOL firm, completed the sale of the whole production of their eVTOL aircraft in 2022 and has an order of 100 units with delivery set to begin in 2023, along with over 3,000 pre-orders for additional deliveries.

Increasing Adoption of Air Taxis as Urban Air Mobility Increases

Due to recent technological advances in urban air mobility, several cities are projected to adopt a new generation of transportation using eVTOL aircraft. To escape traffic, eVTOL aircraft are best suited for shorter flights across busy cities. The aircraft also aid in middle- and last-mile goods delivery, as well as medical services. As a result, the use of air taxis is increasing. The urban air mobility sector is in its early stages, which is projected to promote air taxi usage in the coming years. Toyota invested \$394 million in Joby Aviation eVTOL Aircraft in the first quarter of 2020. Furthermore, in April 2022, Airbus and ITA Airways signed a Memorandum of Understanding to collaborate on urban air mobility (UAM) in Italy. The agreement also focuses on the safe and sustainable launch of City Airbus NextGen eVTOL aircraft. The first air taxi flight in Europe is scheduled for 2024.

Lack of infrastructure certification in Aviation

The commercialization of eVTOL travel options necessitates the creation of infrastructure such as skyports, charging stations, and others. The initial cost of such infrastructure is quite costly, and development takes time, which is expected to limit market growth. Furthermore, demanding certifications of aviation agencies such as the Federal Aviation Administration (FAA) and the European Union Aviation Safety Agency (EASA) for eVTOL designs are projected to stymie industry expansion.

Market Segmentation

The Europe eVTOL Aircraft Market is segmented by application, by propulsion type, by Lift Technology, by Operation Mode, by Range and by Region. Based on application, the market is segmented into Commercial, Military and Cargo. Based on propulsion type, the market is segmented into Hybrid Electric, Fully Electric, and Electric Hydrogen. On the basis of lift technology, the market is divided into vectored Thrust, Lift Plus Cruise, Multicopter and others. Based on operation mode, the market is segmented into Autonomous, Semi-Autonomous and Piloted. Based on range, the market is segmented into up-to 200km, and 201-500Km.

Company Profiles

Airbus Group, Inc., Bell Textron Inc., Boeing, Eve Air Mobility, Lilium GmbH, EHang Intelligent Technology Co. Ltd, BETA Technologies Inc., Volocopter GmbH, Archer Aviation Inc. and Heart Aerospace AB are the key players developing advanced technologies to stay competitive in the market and enhancing their product portfolio in the regions to increase their customer outreach.

Report Scope:

In this report, Europe eVTOL Aircraft Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Europe eVTOL Aircraft Market, By Application:

Commercial

Military

Cargo

Europe eVTOL Aircraft Market, By Propulsion Type:

Hybrid Electric

Fully Electric

Electric Hydrogen

Europe eVTOL Aircraft Market, By Lift Technology:

vectored Thrust

Lift Plus Cruise

Multicopter

others

Europe eVTOL Aircraft Market, By Operation Mode:

Autonomous

Semi-Autonomous

Piloted

Europe eVTOL Aircraft Market, By Range:

Upto 200km

201-500Km

Europe eVTOL Aircraft Market, By Region:

Germany

Russia

France

Italy

Spain

United Kingdom

Switzerland

Netherlands

Belgium

Austria

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Europe eVTOL Aircraft Market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. INTRODUCTION

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Regions
- 3.4. Key Segments

4. IMPACT OF COVID-19 ON EUROPE EVTOL AIRCRAFT MARKET

5. VOICE OF CUSTOMER ANALYSIS

- 5.1. Factors Influencing Purchase Decision
- 5.2. Brand Awareness
- 5.3. Brand Satisfaction Level

6. EUROPE EVTOL AIRCRAFT MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Volume

- 6.1.2. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Application Market Share Analysis (Commercial, Military and Cargo)
 - 6.2.2. By Propulsion Type Market Share Analysis (Hybrid Electric, Fully Electric, Electric Hydrogen)
 - 6.2.3. By Lift Technology Market Share Analysis (Vectored Thrust, Lift Plus Cruise, Multicopter and Others)
 - 6.2.4. By Operation Mode Market Share Analysis (Autonomous, Semi-Autonomous and Piloted)
 - 6.2.5. By Range Market Share Analysis (Up to 200km, 201-500Km)
 - 6.2.6. By Country Market Share Analysis
 - 6.2.6.1. Germany Market Share Analysis
 - 6.2.6.2. Russia Market Share Analysis
 - 6.2.6.3. France Market Share Analysis
 - 6.2.6.4. Italy Market Share Analysis
 - 6.2.6.5. Spain Market Share Analysis
 - 6.2.6.6. United Kingdom Market Share Analysis
 - 6.2.6.7. Switzerland Market Share Analysis
 - 6.2.6.8. Netherlands Market Share Analysis
 - 6.2.6.9. Belgium Market Share Analysis
 - 6.2.6.10. Austria Market Share Analysis
 - 6.2.6.11. Rest of Europe Market Share Analysis
 - 6.2.7. By Company Market Share Analysis (Top 5 Companies, Others – By Value, 2022)
- 6.3. Europe eVTOL Aircraft Market Mapping & Opportunity Assessment
 - 6.3.1. By Application Market Mapping & Opportunity Assessment
 - 6.3.2. By Propulsion Type Market Mapping & Opportunity Assessment
 - 6.3.3. By Lift Technology Market Mapping & Opportunity Assessment
 - 6.3.4. By Operation Mode Market Mapping & Opportunity Assessment
 - 6.3.5. By Range Market Mapping & Opportunity Assessment
 - 6.3.6. By Regional Market Mapping & Opportunity Assessment

7. GERMANY EVTOL AIRCRAFT MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Volume
 - 7.1.2. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Application Market Share Analysis

- 7.2.2. By Propulsion Type Market Share Analysis
- 7.2.3. By Lift Technology Market Share Analysis
- 7.2.4. By Operation Mode Market Share Analysis
- 7.2.5. By Range Market Share Analysis

8. RUSSIA EVTOL AIRCRAFT MARKET OUTLOOK

8.1. Market Size & Forecast

- 8.1.1. By Volume
- 8.1.2. By Value

8.2. Market Share & Forecast

- 8.2.1. By Application Market Share Analysis
- 8.2.2. By Propulsion Type Market Share Analysis
- 8.2.3. By Lift Technology Market Share Analysis
- 8.2.4. By Operation Mode Market Share Analysis
- 8.2.5. By Range Market Share Analysis

9. FRANCE EVTOL AIRCRAFT MARKET OUTLOOK

9.1. Market Size & Forecast

- 9.1.1. By Volume
- 9.1.2. By Value

9.2. Market Share & Forecast

- 9.2.1. By Application Market Share Analysis
- 9.2.2. By Propulsion Type Market Share Analysis
- 9.2.3. By Lift Technology Market Share Analysis
- 9.2.4. By Operation Mode Market Share Analysis
- 9.2.5. By Range Market Share Analysis

10. ITALY EVTOL AIRCRAFT MARKET OUTLOOK

10.1. Market Size & Forecast

- 10.1.1. By Volume
- 10.1.2. By Value

10.2. Market Share & Forecast

- 10.2.1. By Application Market Share Analysis
- 10.2.2. By Propulsion Type Market Share Analysis
- 10.2.3. By Lift Technology Market Share Analysis
- 10.2.4. By Operation Mode Market Share Analysis

10.2.5. By Range Market Share Analysis

11. SPAIN EVTOL AIRCRAFT MARKET OUTLOOK

11.1. Market Size & Forecast

11.1.1. By Volume

11.1.2. By Value

11.2. Market Share & Forecast

11.2.1. By Application Market Share Analysis

11.2.2. By Propulsion Type Market Share Analysis

11.2.3. By Lift Technology Market Share Analysis

11.2.4. By Operation Mode Market Share Analysis

11.2.5. By Range Market Share Analysis

12. UNITED KINGDOM EVTOL AIRCRAFT MARKET OUTLOOK

12.1. Market Size & Forecast

12.1.1. By Volume

12.1.2. By Value

12.2. Market Share & Forecast

12.2.1. By Application Market Share Analysis

12.2.2. By Propulsion Type Market Share Analysis

12.2.3. By Lift Technology Market Share Analysis

12.2.4. By Operation Mode Market Share Analysis

12.2.5. By Range Market Share Analysis

13. SWITZERLAND EVTOL AIRCRAFT MARKET OUTLOOK

13.1. Market Size & Forecast

13.1.1. By Volume

13.1.2. By Value

13.2. Market Share & Forecast

13.2.1. By Application Market Share Analysis

13.2.2. By Propulsion Type Market Share Analysis

13.2.3. By Lift Technology Market Share Analysis

13.2.4. By Operation Mode Market Share Analysis

13.2.5. By Range Market Share Analysis

14. NETHERLANDS EVTOL AIRCRAFT MARKET OUTLOOK

14.1. Market Size & Forecast

14.1.1. By Volume

14.1.2. By Value

14.2. Market Share & Forecast

14.2.1. By Application Market Share Analysis

14.2.2. By Propulsion Type Market Share Analysis

14.2.3. By Lift Technology Market Share Analysis

14.2.4. By Operation Mode Market Share Analysis

14.2.5. By Range Market Share Analysis

15. BELGIUM EVTOL AIRCRAFT MARKET OUTLOOK

15.1. Market Size & Forecast

15.1.1. By Volume

15.1.2. By Value

15.2. Market Share & Forecast

15.2.1. By Application Market Share Analysis

15.2.2. By Propulsion Type Market Share Analysis

15.2.3. By Lift Technology Market Share Analysis

15.2.4. By Operation Mode Market Share Analysis

15.2.5. By Range Market Share Analysis

16. AUSTRIA EVTOL AIRCRAFT MARKET OUTLOOK

16.1. Market Size & Forecast

16.1.1. By Volume

16.1.2. By Value

16.2. Market Share & Forecast

16.2.1. By Application Market Share Analysis

16.2.2. By Propulsion Type Market Share Analysis

16.2.3. By Lift Technology Market Share Analysis

16.2.4. By Operation Mode Market Share Analysis

16.2.5. By Range Market Share Analysis

17. MARKET DYNAMICS

17.1. Market Drivers

17.2. Market Challenges

18. MARKET TRENDS AND DEVELOPMENTS

19. PORTER'S FIVE FORCES MODEL

- 19.1. Competition Landscape
- 19.2. Bargaining Power of Buyers
- 19.3. Bargaining Power of Suppliers
- 19.4. Threat of New Entrants
- 19.5. Threat of Substitutes

20. COMPETITIVE LANDSCAPE

20.1. Company Profiles (Up To 10 Major Companies)

- 20.1.1. Airbus Group, Inc.
 - 20.1.1.1. Company Details
 - 20.1.1.2. Products & Services
 - 20.1.1.3. Recent Development
 - 20.1.1.4. Key Management Personnel
- 20.1.2. Bell Textron Inc.
 - 20.1.2.1. Company Details
 - 20.1.2.2. Products & Services
 - 20.1.2.3. Recent Development
 - 20.1.2.4. Key Management Personnel
- 20.1.3. Boeing
 - 20.1.3.1. Company Details
 - 20.1.3.2. Products & Services
 - 20.1.3.3. Recent Development
 - 20.1.3.4. Key Management Personnel
- 20.1.4. Eve Air Mobility
 - 20.1.4.1. Company Details
 - 20.1.4.2. Products & Services
 - 20.1.4.3. Recent Development
 - 20.1.4.4. Key Management Personnel
- 20.1.5. Lilium GmbH
 - 20.1.5.1. Company Details
 - 20.1.5.2. Products & Services
 - 20.1.5.3. Recent Development
 - 20.1.5.4. Key Management Personnel

20.1.6. EHang Intelligent Technology Co. Ltd

- 20.1.6.1. Company Details
- 20.1.6.2. Products & Services
- 20.1.6.3. Recent Development
- 20.1.6.4. Key Management Personnel

20.1.7. BETA Technologies Inc.

- 20.1.7.1. Company Details
- 20.1.7.2. Products & Services
- 20.1.7.3. Recent Development
- 20.1.7.4. Key Management Personnel

20.1.8. Volocopter GmbH

- 20.1.8.1. Company Details
- 20.1.8.2. Products & Services
- 20.1.8.3. Recent Development
- 20.1.8.4. Key Management Personnel

20.1.9. Archer Aviation Inc.

- 20.1.9.1. Company Details
- 20.1.9.2. Products & Services
- 20.1.9.3. Recent Development
- 20.1.9.4. Key Management Personnel

20.1.10. Heart Aerospace AB

- 20.1.10.1. Company Details
- 20.1.10.2. Products & Services
- 20.1.10.3. Recent Development
- 20.1.10.4. Key Management Personnel

21. STRATEGIC RECOMMENDATIONS

21.1. Key Focus Areas

- 21.1.1. Target Countries
- 21.1.2. Target Application
- 21.1.3. Target Propulsion Type

22. ABOUT US & DISCLAIMER

I would like to order

Product name: Europe eVTOL Aircraft Market By Application (Commercial, Military and Cargo), By Propulsion Type (Hybrid Electric, Fully Electric, Electric Hydrogen), By Lift Technology (vectored Thrust, Lift Plus Cruise, Multicopter and others), By Operation Mode (Autonomous, Semi-Autonomous and Piloted), By Range (upto 200km, 201-500Km), By Country Competition, Forecast & Opportunities, 2018-2030F

Product link: <https://marketpublishers.com/r/E078504836B1EN.html>

Price: US\$ 4,400.00 (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/E078504836B1EN.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