

Military Vertical Take-Off and Landing Aircraft Market Report by Aircraft Type (Rotorcraft, Powered-Lift), Application (Combat Operations, Agriculture and Mining, Border Management, Battle Damage Management, and Others), End User (Military, Civil and Commercial, Homeland Security, and Others), and Region 2024-2032

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Abstracts

The global military vertical take-off and landing aircraft market size reached US\$ 44.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 84.1 Billion by 2032, exhibiting a growth rate (CAGR) of 7.1% during 2024-2032.

Military vertical take-off and landing (VTOL) aircraft operates, takes off and lands from the same place, small pad or unprepared site without the requirement of a long runway. It contains lightweight and efficient turbofans and can perform more maneuvers compared to conventional aircraft. It is widely utilized to transport troops quickly, easily and safely from a base location or aircraft carriers to battlefronts. It is also used for providing essential supplies to victims of natural calamities during rescue missions. Presently, VTOL unmanned aerial vehicles (UAVs), such as drones, that use electric motors are gaining widespread adoption in the defense and military sector worldwide as they are more energy-efficient than jet engines.

With rising international border disputes, governing agencies of several countries are procuring and replacing existing aircraft with next-generation military equipment and weapons. This represents one of the major factors propelling the market growth. Moreover, as VTOL UAVs can land in difficult and compact areas, they are used in counterterrorism to provide surveillance and tracking terrorism activities in remote

areas. Apart from this, the rising demand for military aircraft that can operate from austere bases and in the front-line combat zone is influencing the market growth positively. Their demand is also increasing in natural disaster vulnerable areas to mitigate the damage. Furthermore, due to the rising environmental concerns, manufacturers are using different technologies and production strategies to develop hybrid-electric VTOL aircraft with effective aerodynamic forces and reduced operating costs.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global military vertical take-off and landing aircraft market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on aircraft type, application and end user.

Breakup by Aircraft Type:

- Rotorcraft
- Powered-Lift

Breakup by Application:

- Combat Operations
- Agriculture and Mining
- Border Management
- Battle Damage Management
- Others

Breakup by End User:

- Military
- Civil and Commercial
- Homeland Security
- Others

Breakup by Region:

- North America
- United States
- Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AeroVironment Inc., Airbus SE (Airbus Group), BAE Systems Plc, Israel Aerospace Industries Ltd., Lockheed Martin Corporation, Neva Aerospace Ltd., Northrop Grumman Corporation, Saab AB, Textron Inc. and The Boeing Company.

Key Questions Answered in This Report

1. What was the size of the global military vertical take-off and landing aircraft market in 2023?
2. What is the expected growth rate of the global military vertical take-off and landing aircraft market during 2024-2032?
3. What are the key factors driving the global military vertical take-off and landing aircraft market?
4. What has been the impact of COVID-19 on the global military vertical take-off and landing aircraft market?

5. What is the breakup of the global military vertical take-off and landing aircraft market based on the aircraft type?
6. What is the breakup of the global military vertical take-off and landing aircraft market based on the application?
7. What is the breakup of the global military vertical take-off and landing aircraft market based on the end user?
8. What are the key regions in the global military vertical take-off and landing aircraft market?
9. Who are the key players/companies in the global military vertical take-off and landing aircraft market?

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