

# Europe Autonomous BVLOS Drone Market is Set to Attain a Valuation of US\$ 12,840.4 Million By 2031 | Astute Analytica

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/EINPresswire.com/ -- [Astute Analytica](#) [reports](#) [forecast](#) [value](#) was [US\\$ 1,000.0 million](#) in 2022 and is projected to surpass a valuation of [US\\$ 12,840.4 million](#) by 2031, growing at a [CAGR of 10.0%](#) during the forecast period from 2023 to 2031.

For more information, contact [astute@astuteanalytica.com](mailto:astute@astuteanalytica.com) or visit <https://www.astuteanalytica.com/request-sample/europe-autonomous-bvlos-drone-market>

A large increase in demand for Europe autonomous BVLOS drone market is due to the growing demand for effective, economical drone operations and ongoing developments in artificial intelligence (AI) and sense-and-avoid technologies.

Over the past couple of decades, drones and unmanned aerial vehicles have seen rapid technological developments. The expansion of technology's working range, capabilities, and size mainly opens up new prospects for both the defense and commercial sectors to flourish. Additionally, a rise in contractual operations revenues is anticipated for the market participants throughout the projection period as drone operators vigorously extend their BVLOS operations to meet the needs of various end-users, such as military and commercial.

One of the key factors influencing the Europe Autonomous BVLOS Drone Market is the ongoing development of artificial intelligence (AI) and sense-and-avoid technologies. These drones can analyze data in real time, make wise decisions, and adapt to shifting settings thanks to AI-powered algorithms, which also increase their dependability and efficiency.

For instance, in August 2023, VERSES AI Inc. announced the completion of Flying Forward 2020 (FF2020). The European Union financed the three-year initiative that started in November 2020 to assess the practicality of autonomous drones throughout five European cities. To map landing zones and navigation routes in urban areas based on 5G/6G signal strength and to examine



locations like winter roads and parking spaces while in Tartu, the VERSES platform KOSM was implemented in Oulu.

A major increase in demand for autonomous BVLOS drones is being seen in Europe as a result of the growing desire for drone operations that are both efficient and economical. Businesses and governmental organizations can carry out a variety of tasks with increased productivity and lower operating expenses because of drones' capacity to operate beyond the line of sight. BVLOS drone technology is being adopted by sectors like agricultural, infrastructure inspection, surveillance, and delivery services to streamline operations and promote market growth.

Figure 1: Autonomous BVLOS Drone Market Revenue in Europe, 2022-2030 (US\$ million)

In 2022, the military and defense segment accounted for the highest revenue of US\$ 1,027.4 million and will grow at a CAGR of 18.2% throughout the forecast year. In military operations, autonomous BVLOS drones are widely used for aerial combat, intelligence, surveillance, and reconnaissance (ISR).

Governments and companies are spending money on cutting-edge technology like artificial intelligence to improve the military applications of autonomous BVLOS drones. These investments will fuel the military and defense sector's sustained growth in the European market, along with the ongoing development of new drone types.

A wide range of military tasks are performed by autonomous UAVs, including aerial combat and intelligence gathering. Governments and businesses are presently attempting to integrate cutting-edge technologies like artificial intelligence in addition to the drones that already exist. Due to the widespread usage of bigger, more expensive-per-unit UAVs by military forces around the world, the military segment's profits have also increased. For instance, VERSES AI Inc., a cognitive computing business that specializes in the next stage of artificial intelligence, stated in May 2023 that its Urban Air Mobility (UAM) demonstrations in Milan, Italy, had been a success.

Figure 2: Autonomous BVLOS Drone Market Revenue in Europe, 2022-2030 (US\$ million)

The quick rise of the commercial and military UAV industries in the region is driving the rapid expansion of the autonomous BVLOS drone market in Europe. As the region adopts BVLOS UAVs for both military and non-combat support applications, Germany serves as a notable case study.

In order to support their combat and surveillance objectives, the German armed services are incorporating BVLOS UAVs, demonstrating the adaptability and effectiveness of autonomous drone technology. Commercial operators in Germany are simultaneously using the European Union Aviation Safety Agency's (EASA) authorization for autonomous BVLOS flights to create new drone services. Despite a major amount of the market being dominated by military demand, the industry is growing as a result of new applications being investigated by the commercial sector.

The government's proactive initiatives to promote the use of drones in business are another important factor fueling the growth of the autonomous BVLOS drone market in Europe. The European Aviation Safety Association (EASA) implemented new drone regulations in January 2022, standardizing drone practices all over the continent. These rules provide companies with a defined framework within which to carry out complex drone operations, encouraging dependability and safety.

For more information on the autonomous BVLOS drone market, visit our website at- <https://www.astuteanalytica.com/industry-report/europe-autonomous-bvlos-drone-market>

Autonomous BVLOS Drone Market

The autonomous BVLOS drone market is highly fragmented, with numerous players having sizable market shares. The Boeing Company, Elbit Systems Ltd., and Airbus SE are a few well-known market participants.

In order to further enhance its beyond-line-of-sight capabilities, the major industry participants are concentrating on the development of the advanced autonomous BVLOS market with advanced capabilities. Greater opportunities will soon be made possible by increasing research and development spending on the production of sophisticated autonomous BVLOS drone systems for both the military and commercial sectors.

Key Market Players

- Airbus
- Amboya
- Azur Drones
- Boeing
- Ehang
- Elbit Systems Ltd.
- Saab AB
- Wingcopter
- Other Prominent Players

Market Segments

The autonomous BVLOS drone market is segmented into various segments based on the type of drone, the application, and the region. The segments include military, commercial, and recreational. The military segment is the largest, followed by commercial and recreational.

Key Market Segments

- Software Suite
- Hardware

- o Sensors
- o Day \ Night Cameras
- o Flight Control
- o Docking Stations
- o Others

- Services

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- Very Small UAVs
- o Micro UAVs
- o Nano UAVs
- Small UAVs
- o Mini UAVs
- Medium UAVs
- Large UAVs

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- Very Low-Cost, Close-Range UAVs
- Close Range UAVs
- Short Range UAVs
- Mid-Range UAVs
- Endurance UAVs

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- Military & Defense
- Aerospace
- Commercial and Civil
- Construction
- Mining
- Agriculture
- Homeland Security (HLS)
- Logistics and Product Delivery
- Others

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- DACH
- o Deutschland (Germany)
- o Austria
- o Confœderatio Helvetica (Switzerland)
- The UK
- France
- Italy
- Spain
- Poland
- Russia
- Rest of Europe

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They are able to make well-calibrated decisions and leverage highly lucrative opportunities while surmounting the fierce challenges all because we analyze for them the complex business environment, segment-wise existing and emerging possibilities, technology formations, growth estimates, and even the strategic choices available. In short, a complete package. All this is possible because we have a highly qualified, competent, and experienced team of professionals comprising business analysts, economists, consultants, and technology experts. In our list of priorities, you-our patron-come at the top. You can be sure of the best cost-effective, value-added package from us, should you decide to engage with us.

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