

Global Tactical UAV Market Size Study & Forecast, By Type (Close-Range, Short-Range, Medium-Range, Medium-Range Endurance, Low-Altitude Deep Penetration, Low-Altitude Long-Endurance) By Application (Military, Law Enforcement, Civil, Commercial) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GBECE3CEDB3AEN.html>

Date: April 2024

Pages: 200

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

ID: GBECE3CEDB3AEN

Abstracts

Global Tactical UAV Market is valued at approximately USD xx billion in 2022 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2023-2030. Tactical UAV is a type of unmanned aircraft designed and employed primarily for military and security purposes, typically for tactical or short-range operations. Unlike larger, strategic UAVs which are intended for long-endurance, high-altitude missions, tactical UAVs are characterized by their smaller size, maneuverability, and versatility in supporting ground troops and small units in the battlefield. The Tactical UAV market is expanding because of factors such as the rising number of military drones and growing military defense spending. Tactical UAVs are designed to operate in dynamic and often challenging environments, providing real-time intelligence, surveillance, and reconnaissance (ISR) support to ground forces. As a result, the demand for Tactical UAV has progressively increased in the international market during the forecast period 2023-2030.

Military operations often require a range of UAV platforms tailored to specific mission requirements. Some missions may necessitate small, agile drones for close-range surveillance, while others may require larger, long-endurance UAVs for extended reconnaissance missions. The increasing diversity of mission requirements drives the development and deployment of various types of tactical UAVs, catering to different operational needs. According to Statista, the global production volume for military

drones accounted for 2655 Mini-UAVs in 2020 and will reach up to 3777 Mini-UAVs in 2022. Another important factor that drives the Tactical UAV market is increasing military defense spending. Many countries prioritize military modernization initiatives to maintain a technological edge over potential adversaries. Tactical UAVs, with their advanced reconnaissance, surveillance, and intelligence-gathering capabilities, are essential components of modern warfare strategies. Therefore, increased defense spending often includes funding for the development, acquisition, and deployment of next-generation UAVs. In addition, as per Statista, the United States accounts for the world's top military spending position in 2022, investing a significant USD 877 billion in defense. This amounted to nearly 40% of worldwide military spending that year, which totaled USD 2.2 trillion. The military spending in the United States accounted for 3.5% of the country's GDP. Moreover, the growing demand for UAVs with advanced ISR capabilities and supportive government initiatives toward military modernization projects is anticipated to create a lucrative growth opportunity for the market over the forecast period. However, the high cost associated with Tactical UAVs and technical complexities related to UAV operations is going to impede overall market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Tactical UAV Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the significant military defense spending in the region. Defense spending often aligns with increased focus on counter-terrorism efforts, which require advanced surveillance and reconnaissance capabilities. Tactical UAVs are valuable assets in counter-terrorism operations, providing persistent surveillance and intelligence gathering in areas prone to terrorist activities. The region's dominant performance is anticipated to propel the overall demand for Tactical UAV. Furthermore, Asia Pacific is expected to grow fastest during the forecast period, owing to factors such as increasing research and development activities based on unmanned aerial vehicles in the region. R&D activities facilitate the integration of emerging technologies into tactical UAVs, such as artificial intelligence, machine learning, data analytics, and sensor fusion. These technologies enhance UAV capabilities in areas such as autonomous navigation, real-time data processing, target recognition, and decision-making. Integration of emerging technologies enables UAVs to perform more complex missions with greater efficiency and effectiveness.

Major market players included in this report are:

Elbit Systems Limited

Textron Incorporated

DJI Technology Co., Ltd.

Safran SA

AeroVironment, Inc.

Leonardo SpA

The Boeing Company

Israel Aerospace Industries Ltd.

Lockheed Martin Corporation

BlueBird Aero Systems Ltd.

Recent Developments in the Market:

In February 2024, Elbit Systems Limited unveiled a new tactical unmanned aerial vehicle called the “Hermes 650 Spark”. The Hermes 650 Spark is a medium-altitude long-endurance tactical unmanned aerial vehicle developed to address the evolving needs of the aerospace and defense industries.

Global Tactical UAV Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type

Close-Range

Short-Range

Medium-Range

Medium-Range Endurance

Low-Altitude Deep Penetration

Low-Altitude Long-Endurance

By Application

Military

Law Enforcement

Civil

Commercial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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