Unmanned Aerial Vehicles Market by Class, Subsystem, Application, Procurement by Purpose, Payload & Geography - Global Forecast to 2020

Description:
"Unmanned Aerial Vehicles Market by Class (Small, Tactical, Strategic, Special Purpose), Subsystem (Data Link, GCS, and Software), Application (Military, Commercial and Homeland Security), Procurement by Purpose (Procurements, RDT&E, O&M), Payload & Geography - Global Forecast to 2020"

The Unmanned Aerial Vehicles (UAV) market research report includes the detailed study of the UAVs in the defense, commercial, and homeland security sectors. This report provides a detailed analysis of the UAV market between 2015 and 2020. It discusses the industry, market, and technology trends that are currently prevailing in the UAV market. The UAV market report analysis categorizes the global UAV market on the basis of class, sub-system, payload, application, funding, regional, and country analysis. The global Unmanned Aerial Vehicle (UAV) market is valued at USD 10.1 Billion in 2015 and is expected to show a robust growth in future, accounting for USD 14.9 Billion by 2020, thereby registering a CAGR of 8.12%, from 2015-2020.

The study describes the market dynamics in the Unmanned Aerial Vehicles Market with a detailed regional and countrywide analysis of the UAV technologies and applications. The technological advancements in improving the UAV functionality and autonomic decision making capabilities for complex remote operations are projected to drive the UAV market, in the upcoming years. The U.S. accounts for nearly 65.53% of the global UAV market, in 2015. The U.S., Israel, China, the U.K., Australia, Canada, France and India are some geographies contributing to the high demand for UAVs.

Countries such as Russia and the U.K. in the European region are proving to be the emerging markets. The report gives insights into regional and technological trends and also provides the market share analyses for major countries. It includes a detailed study of leading companies with respect to their financial analysis, products and services, and key developments, in order to provide an in-depth competitor analysis.

Primary interviews have been conducted with major industry experts to get insights about this industry. The company analysis of key players includes companies such as GA-ASI (U.S.), Northrop Grumman Corporation (U.S.), Elbit Systems Ltd (Israel), IAI Ltd. (Israel), and AeroVironment Inc. (U.S.), among others.

Key Takeaways
- The Unmanned Aerial Vehicles Market is expected to show a strong growth during the study period, with the increase in functionality of UAVs and demand for UAVs in the civil and commercial sector.
- The UAV market has been segmented based on class - small, tactical, strategic, & special purpose; based on payload; sub-systems - GCS (Ground Control Systems), data links, & software; based on funding - procurements, RDT&E, & O&M; based on geography; and based on applications - defense, commercial, & homeland security.
- The UAVs have high endurance and hence play a crucial role in critical military and commercial operations.
- With the use of UAVs in combat operations, ISR (Intelligence, surveillance, target) acquisition, climate & pollution monitoring, border security operations, and maritime operations, the demand for UAVs is expected to drive this market.
- The demand for UAVs is expected to be triggered by the growing need for autonomous control systems and efficient operability in future.
- Survivability and adaptability to the external environmental conditions during remote missions, and communications with the station in such situations are some of the challenges for the Unmanned Aerial Vehicles Market.
- The use of small UAVs in performing civil and commercial operations such as photography, wild life research & survey, agriculture, surveying & mapping and other new applications have triggered the demand for UAVs in the commercial sector.

Scope of the Report

This research report categorizes the global unmanned aerial vehicles market into the following segments and sub-segments:
Global Unmanned Aerial Vehicles Market, by Class
- Small UAV
- Tactical UAV
- Strategic UAV
- Special Purpose UAV

Global Unmanned Aerial Vehicles Market, by Subsystem
- Data Link
- GCS
- Software

Global Unmanned Aerial Vehicles Market, by Application
- Military
- Commercial
- Homeland Security

Global Unmanned Aerial Vehicles Market, by Procurement by Purpose
- Procurement
- RDT&E
- O&M

Global Unmanned Aerial Vehicles Market, by Payload
- EO/IR
- Cameras
- SAR
- SIGINT
- ELINT
- COMINT
- MPR
- INS
- Laser Sensors
- CBRN Sensors
- EW
- Optronics
- Others

Global Unmanned Aerial Vehicles Market, by Region
- North America
- Europe
- APAC
- Middle East
- Latin America
- Africa

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Figure 71: Procurement in UAV Market Size, By Region, 2015 vs 2020 (USD Million).

Figure 72: R&D&E in UAV Market Size, By Region, 2015 vs 2020 (USD Million).

Figure 73: O&M in UAV Market Size, By Region, 2015 vs 2020 (USD Million).

Figure 74: EO/IR Payload in UAV Market Size, 2015 vs 2020 (USD Million).

Figure 75: Camera Payload in UAV Market Size, 2015 vs 2020 (USD Million).

Figure 76: SAR Payload in UAV Market Size, 2015 vs 2020 (USD Million).

Figure 77: SIGINT Payload in UAV Market Size, 2015 vs 2020 (USD Million).

Figure 78: ELINT Payload in UAV Market Size, 2015 vs 2020 (USD Million).
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