

Middle East Unmanned Aerial Vehicle Market By Type (Fixed-Wing, VTOL), By UAV Size (Small UAV, Medium UAV, Large UAV), By Range (Visual Range of Sight (VLOS), Beyond Visual Line of Sight (BVLOS)), By End User (Government, Commercial), By Country, Competition, Forecast and Opportunities, 2028

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Abstracts

Middle East Unmanned Aerial Vehicle Market is anticipated to expand at a rapid pace in the forecast period, 2024–2028. Due to strong economic growth, growing elite population, increased foreign investment, and other favorable factors, the growth of Unmanned Aerial Vehicle Market is boosting in Middle East & Africa.

Middle East Unmanned Aerial Vehicle Market Overview

Unmanned aerial vehicles (UAVs) are described as powered, aerial vehicles without human operators that fly autonomously or under remote control, carry lethal or non-lethal payloads, and use aerodynamic forces to provide vehicle lift. Unmanned aerial vehicles, or UAVs, are referred to as drones, or remotely piloted aircraft (RPAs). The flight of a UAV is controlled remotely by a pilot on the ground or in another vehicle, as well as autonomously through on-board computers.

The next-generation UAV is used for a variety of purposes, including photography, logistics, surveillance, and assessment. The introduction of UAV usage laws and regulations by different nations has a direct impact on the demand for unmanned aerial vehicles. Unmanned aerial vehicle (UAV) growth is anticipated to be boosted by the growing adoption of smart technology for surveillance, analysis, imaging, and other uses on a variety of fronts. The military & defense, agricultural, civil & commercial,

logistics & transportation, healthcare, construction & mining, and other industries are among its end user.

Middle East Unmanned Aerial Vehicle Market Drivers

For the foreseeable future, the defense sector will remain the largest market for UAVs. UAVs have a significant place in counterterrorism and counterinsurgency operations. They can be used in extremely risky missions and for saving lives of personnel. The UAVs are employed for surveillance and intelligence gathering in hostile environments. They provide sharp images and videos that are helpful for ground forces. Militaries of many nations have carried out operations against terrorists using drones. Unmanned aerial vehicles (UAVs) are extremely useful for defense forces because they can be used for a variety of tasks, including situational awareness, bomb defusing, aiding soldiers in combat, and search and rescue missions.

UAVs are currently being used for transportation, surveillance, search and rescue, and other operations throughout the world have come at a high cost to the military. The ScanEagle is a small, long-endurance, low-altitude drone made by Boeing subsidiary Insitu that is primarily used for reconnaissance. The Turkish Aerospace Anka (\$100 million per unit), Northrop Grumman X-47B (\$405 million per unit), BAE Systems Taranis (\$206 million per unit), MQ-25 Stingray (\$201 million per unit), RQ-4 Global Hawk (\$131 million per unit), MQ-4C Triton (\$120 million per unit), and Turkish Aerospace Anka (\$100 million per unit) are some other extremely expensive military drones used by defence forces around the world. UAV adoption is restricted to developed nations with significant defence spending capacity due to the high cost of UAVs.

Middle East Unmanned Aerial Vehicle Market Trends

To ensure privacy and security, a protocol for authentication of drone deliveries must be in place. Thumb/fingerprint authorization or digital signatures may be necessary in densely populated suburbs before packages can be accepted. Since they have few security measures, the growing number of hacking incidents are the cause for concern. Companies in the drone sector offer analytics software as a service to their customers, processing data on cloud-based servers. The data is vulnerable to hacking because it is sent over and stored in an outside cloud network. For data security, industries require highly secured cloud servers. Data security and data encryption issues are thus a challenge for the UAV market.

Middle East Unmanned Aerial Vehicle Market Opportunities

The UAV industry offers enormous opportunities for businesses, investors, and the government. UAV technology has developed to a level that put it in the vanguard of aerospace production. Despite the lack of a regulatory framework, the UAV industry is poised to grow into one of the fastest-growing sectors in the decade as UAV companies around the world make drones more affordable. The non-military sector is expected to grow the fastest over the next ten years, particularly the commercial drone segment.

Drone adoption is anticipated to be promoted into the mainstream commercial sector by recent advancements in computer vision, machine learning, cloud computing, and data analytics. The pace of UAV adoption has been slowed down in the middle east countries and many other countries due to regulations that are either still too restrictive or have not yet been finalized. The use of UAV technology is expected to result in an increase in high-tech jobs, millions in tax revenues, and economic impact due to the explosion in interest in developing and operating unmanned aircraft systems.

Market Segmentation

The Middle East Unmanned Aerial Vehicle Market is segmented based on type, size, range, application and country. Based on type, the market is segmented into fixed-wing and VTOL. Based on size, the market is segment into small UAV, medium UAV, and large UAV. Based on range, the market is segmented into visual range of sight (VLOS), beyond visual line of sight (BVLOS), Based on end user, the market is segmented into government, commercial, and others. Based on country, the market is segmented into Saudi Arabia, UAE, Turkey, Qatar, Iran, Kuwait, Oman, Bahrain, Morocco, Egypt, and Rest of Middle East.

Market Players

Major companies in the Middle East and Africa Unmanned Aerial Vehicle market are Aeronautics Ltd, AeroVironment Inc, Aurora Flight Sciences, Aviation Industry Corporation of China, BAE Systems Plc, Da-Jiang Innovations (DJI) Science and Technology Co., Ltd, Denel SOC Ltd (Denel Dynamics division), Elbit Systems Ltd, FLIR Systems, General Atomics Aeronautical Systems Inc., and others.

Report Scope:

In this report, the Middle East Unmanned Aerial Vehicle Market has been segmented into the following categories, in addition to the industry trends which have also been

detailed below:

Middle East and Africa Unmanned Aerial Vehicle Market, By Type:

Fixed-wing

VTOL

Middle East and Africa Unmanned Aerial Vehicle Market, By UAV Size:

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