

Middle East & Africa Air Defense Radar Market Forecast to 2030 - Regional Analysis - by Range (Long Range, Medium Range, and Short Range), Product Type (Synthetic Aperture and Moving Target Indicator Radar, Surveillance Radar, Airborne Early Warning Radar, Multi-Functional Radar, Weather Radar, and Others), System Type (Fixed and Portable), Platform (Ground-Based, Aircraft-Mounted, and Naval-Based), and Application (Ballistic Missile Defense, Identification Friend or Foe, Weather Forecasting, and Others)

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Abstracts

The Middle East & Africa air defense radar market is expected to grow from US\$ 535.15 million in 2022 to US\$ 683.89 million by 2030. It is estimated to grow at a CAGR of 3.1% from 2022 to 2030.

Development of Miniaturized and Low-Cost Radars Fuel the Middle East & Africa Air Defense Radar Market

The development of miniaturized and low-cost radars is due to technological advancements, such as improved semiconductor manufacturing processes and the miniaturization of associated components. These advancements enable the development of smaller, lighter, and more cost-effective radar systems or miniaturized radar systems compared to traditional ones without compromising performance. Their compact form makes them more accessible and adaptable to different operational

requirements and environments. This feature also allows easier integration of radars into various platforms, such as ground-based systems, naval vessels, or unmanned aerial vehicles (UAVs). The flexibility and adaptability of miniaturized radars make them suitable for diverse operational environments, expanding their market potential. Further, the various market players are focusing more on the cost efficiency of the air defense radar systems. For instance, radar systems such as multifunction radar systems offer enhanced operational efficiency by integrating multiple radar capabilities into a single platform. The ability to perform multiple tasks with a single system increases operational efficiency and cost-effectiveness. Thus, the market is witnessing the growing trend of miniaturized and low-cost radars development.

Middle East & Africa Air Defense Radar Market Overview

Several countries in the Middle East & Africa have been suffering the consequences of increasing missile threats, technological innovations in ballistic missile systems, and a rise in terrorist activities, which has resulted in an upsurge in their defense budgets, and demand for air surveillance and traffic management solutions in these countries. An increased need for border protection owing to the rising geopolitical tension compels governments and defense authorities to extensively invest in modern radar systems to boost their air defense capabilities. In 2022, major countries in MEA (considered in the scope) invested US\$ 146.7 billion in total in military technologies. According to several military sources, the region accounted for more than 321 naval vessels in 2023; countries such as South Africa, Saudi Arabia, and the UAE collaboratively commissioned ~54 naval vessels for future procurement across the region. Thus, the increased threat of terrorism and regional conflicts is one of the primary factors driving the growth of the air defense radars market in the Middle East & Africa. Air defense radars are essential for detecting and tracking airborne threats such as enemy aircraft, drones, and missiles, allowing for prompt response and effective defense measures. These abilities lead to the demand for air defense radar systems that are deployed on naval vessels.

The Middle East & Africa is home to several countries with significant oil reserves, making them prime targets for potential attacks. Protecting critical infrastructures, such as oil fields, refineries, and transportation networks, requires robust air defense capabilities. Consequently, governments in the region are investing in advanced radar systems to protect their valuable assets. Moreover, growing defense budgets in countries in the Middle East & Africa provide the necessary financial support for acquiring and modernizing air defense radars. Nations such as Saudi Arabia, the UAE, Egypt, and Israel have been at the forefront of procuring advanced radar systems to

strengthen their military capabilities. Countries in this region are collaborating with international defense manufacturers and suppliers to develop and deploy state-of-the-art radar technologies.

Middle East & Africa Air Defense Radar Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Air Defense Radar Market Segmentation

The Middle East & Africa air defense radar market is segmented into function, range, system type, platform, application, and country.

Based on function, the Middle East & Africa air defense radar market is segmented into synthetic aperture radar and moving target indicator radar, surveillance radar, airborne early warning radar, multi-functional radar, weather radar, and others. The synthetic aperture radar and moving target indicator radar segment held a largest share of the Middle East & Africa air defense radar market in 2022.

Based on range, the Middle East & Africa air defense radar market is segmented into short range, medium range, and long range. The long range segment held the largest share of the Middle East & Africa air defense radar market in 2022.

Based on system type, the Middle East & Africa air defense radar market is segmented into fixed radar, and portable radar. The fixed radar segment held the largest share of the Middle East & Africa air defense radar market in 2022.

Based on platform, the Middle East & Africa air defense radar market is segmented into ground-base, aircraft-mounted, and naval based. The ground-base segment held the largest share of the Middle East & Africa air defense radar market in 2022.

Based on application, the Middle East & Africa air defense radar market is segmented into ballistic missile defense, identification friend or foe, weather forecasting, and others. The identification friend or foe segment held the largest share of the Middle East & Africa air defense radar market in 2022.

Based on country, the Middle East & Africa air defense radar market is segmented into South Africa, Saudi Arabia, the UAE and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the Middle East & Africa air defense radar market in 2022.

BAE Systems Plc, General Dynamics Corp, Honeywell International Inc, Israel Aerospace Industries Ltd, Leonardo SpA, Lockheed Martin Corp, Northrop Grumman Corp, Raytheon Technologies Corp, Saab AB, and Thales SA are some of the leading companies operating in the Middle East & Africa air defense radar market.

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