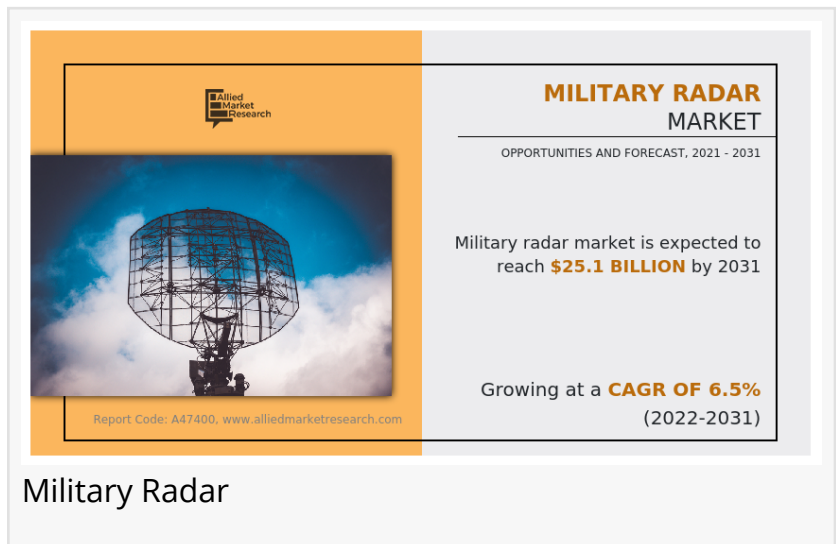


Military Radar Market Research Overview, Share, Size, Analysis, and Forecast to 2031

Technological advancements in military radars, rise in purchase of combat aircrafts, increasing naval expenditure by developed economies drive the global market

WILMINGTON, DE, UNITED STATES,
November 18, 2025 /

EINPresswire.com/ -- The global [military radar industry](#) was valued at \$13.9 billion in 2021 and is estimated to generate \$25.1 billion by 2031, witnessing a CAGR of 6.5% from 2022 to 2031.



The military radar market is estimated to grow at a CAGR of 6.5% from 2022 to 2031, as the military spending increased to almost \$2 trillion in 2021 despite COVID-19 pandemic. The major countries that contribute to rise in military expenditure comprise U.S., China, Japan, South Korea, Russia, and India. Numerous countries have also increased their budget for military to purchase several combat aircraft. For instance, Russia's military expenditure increase by 2.5% in 2020 to reach \$61.7 billion. Henceforth, growth in military expenditure in several countries is anticipated to drive the growth of the market.

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Rise in investment to strengthen the capabilities of air defense, technological advancements in military radar, rise in purchase of combat aircrafts, increasing naval expenditure by developed economies, high capability of military radars to detect low-flying aircrafts, land vehicles, marine vessels, personnel, and avian targets which make them ideal for accurate surveillance, and modernization of military equipment fuel the growth of the global military radar market. However, huge investment in early stage and stringent cross-border trading policies hinder the global market growth. On the other hand, rise in geopolitical tensions and increase in R&D activities in military radar for airborne platform present new growth opportunities for the global military radar market in the coming years.

The aircrafts in military are used for various tasks such as airlifting troops, cargo resupply, firefighting, and medical evacuation. Various countries have concentrated to modernize their military aircrafts, and some fleet modernization programs are already in work. With the rise in traffic of air passengers, the airline companies are putting orders for new aircraft to expand and modernize their convoys. Likewise, many developing countries are endeavoring to boost their aerial combat and transport capabilities, which is creating new orders for military aircraft. Such factors are concurrently creating demand for military radar in airborne.

The demand for military radar systems on land is increasing as it reduces the requirement for non-specialized radar systems. Moreover, it is also efficient enough to detect low-flying aircraft, land vehicles, marine vessels, personnel, and avian targets. Such capabilities make it ideal for accurate surveillance results, thereby increasing the demand for military radar in land globally.

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The plans of military forces to modernize the military equipments is expected to drive the sales of military radar. Modern warfare is taking place in compactly populated urban areas, is posturing challenges of growing injuries, compelling department of defense around the world to invest suggestively in the procurement of different ranges of military radars. Hence boosting the demand across the world.

The rise in demand for surveillance in naval platform has forced military radar manufacturers to upgrade their products. The advancements in military radar technologies lead to more adaption of the naval radar in the market over the forecast period. Additionally, factors such as increasing naval expenditure by developed economies is also bolstering the military radar market growth.

The surge in purchasing powers of various countries has also increased competition among businesses. Also, the influx of various businesses into marine tourism yet again improved the use of military radars in naval platform. This factor also attributes to the growth of the market during the forecast period.

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Based on region, the market in North America was the largest in 2021, accounting for nearly half of the global [military radar market size](#), and is likely to maintain its dominance during the forecast timeframe. This is because the region has witnessed major defense-related sanctions, which heightens the demand for military radars for use in national and international defense forces. The U.S. is one of the strongest military forces in the world and is a key supplier of military radars to the global market. Moreover, it is home to a huge number of manufacturing companies operating at global level. However, the market in Asia-Pacific is likely to show the

fastest CAGR of 8.1% during the forecast period. This is due to China's, Japan's, and India's growing spending on defense products.

Leading Market Players

Aselsan A.S.
BAE Systems plc
Israel Aerospace Industries
Leonardo S.P.A.
Lockheed Martin Corporation
Saab AB
Thales Group
L3Harris Technologies, Inc.
Northrop Grumman Corporation
Raytheon Technologies Corporation

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