

Global Airborne Fire Control Radar Market Size study, by Frequency Band (L And S-Band, X-Band, Ku/K/Ka-Band) by Platform (Fighter Jets, Combat Helicopters, and Others) by Application (Air to Ground, Air to Sea, Air to Air) and Regional Forecasts 2022-2032

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Abstracts

Global Airborne Fire Control Radar Market is valued approximately USD 3.1 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.00% over the forecast period 2024-2032. The airborne fire control radar is a type of radar systems that is specifically designed for use in airborne platforms for fire control purposes. These radar systems are integral components of military aircraft and helicopters, providing essential capabilities for surveillance, target detection, tracking, and engagement. Key players in Global Airborne Fire Control Radar Market include defense companies such as Lockheed Martin, Raytheon Technologies, Northrop Grumman, and Thales Group, among others, who specialize in designing and manufacturing advanced radar systems tailored to meet the demanding requirements of modern military operations. Trends such as manufacturers are providing wide range of radar technologies, including pulse-doppler radar, phased array radar, and synthetic aperture radar, and others, offering unique advantages in terms of performance, range, resolution, and versatility to further help in growth of the Airborne Fire Control Radar Market during the forecast period 2024-2032.

The growth of commercial air traffic and the proliferation of unmanned aerial vehicles (UAVs) significantly contribute to the expanding demand for the Global Airborne Fire Control Radar Market. Airborne fire control radars equipped with advanced surveillance capabilities help monitor and manage the increasingly congested airspace, enabling air traffic controllers to track aircraft movements accurately and detect potential conflicts or hazards. Furthermore, the integration of UAVs & aircraft into military operations

underscores the importance of airborne fire control radars in enhancing the detection and engagement capabilities of manned aircraft. Radar systems capable of effectively tracking both manned and unmanned aerial threats support integrated air defense strategies, enabling prompt and effective response to potential security challenges. For instance, in September 2023, LONGBOW Limited Liability Company (LBL), a Northrop Grumman Corporation and Lockheed Martin joint venture company, received a contract from Australia and refurbish US Army PNVIS/TADS (Pilot Night Vision Sensor/Target Acquisition Designation Sight) equipment. It is the EO fire control system that deliver US Army AH-64D/E Apache helicopter pilots use for flight during night, day, or bad weather tasks. However, complex engineering and R&D efforts, which can encounter technical hurdles and delays will stifle market growth between 2022 and 2032.

The key regions considered for the Global Airborne Fire Control Radar Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the dominated regional market. North America, particularly the United States, boasts one of the world's largest and most technologically advanced defense industries. Companies like Lockheed Martin, Northrop Grumman, Raytheon Technologies, and General Dynamics are prominent players in the development and production of airborne fire control radar systems. The United States and Canada continually invest in modernizing their military capabilities, including upgrading aircraft with state-of-the-art radar systems. Thus, these factors further drive demand for the Global Airborne Fire Control Radar market. The market in Asia Pacific is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Hensoldt AG

Thales Group

Bharat Electronics Limited

BAE Systems Plc

Northrop Grumman Corporation

Leonardo S.p.A.

Raytheon Technologies Corporation

Saab AB

Lockheed Martin Corporation

Israel Aerospace Industries

The detailed segments and sub-segment of the market are explained below:

By Frequency Band

L And S-Band
X-Band
Ku/K/Ka-Band

By Platform

Fighter Jets
Combat Helicopters
Others

By Application

Air To Ground
Air To Sea
Air To Air

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

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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