

# Global Airborne Synthetic Aperture Radar Market Research Report 2023

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## Abstracts

Synthetic aperture radar is used for creation of 2D or 3D reconstruction of a landscape or an object. Synthetic aperture radar is a space borne or airborne radar system, which generates remote sensory image with high resolution. Synthetic aperture radar or SAR system gathers data of the flight path to stimulate aperture or large antenna electronically. It operates similar to phased array. However, instead of large number of parallel antennas, synthetic aperture radar uses one antenna in time multiplex. Synthetic aperture radar gathers data from different geographical locations which result into full moving platform. It is also used in defense systems for earth resource mapping, environmental monitoring, etc. Airborne synthetic aperture radar helps in gathering information about the land & ocean with the help of sensors, which are equipped into airborne platforms such as aircrafts, balloons, and UAVs.

According to QYResearch's new survey, global Airborne Synthetic Aperture Radar market is projected to reach US\$ 255.3 million in 2029, increasing from US\$ 205.4 million in 2022, with the CAGR of 3.2% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Airborne Synthetic Aperture Radar market research.

According to the 2022 global military expenditure statistics report released by the SIPRI, global military spending in 2022 maintained growth for the eighth consecutive year, an increase of 3.7% compared with 2021, reaching \$2.24 trillion. The United States had the largest military expenditure in the world, with a size of \$877 billion, accounting for 39% of the world's total military expenditure. China and Russia were second and third, respectively. Ukraine's defense spending increased by 640% in 2022, making it the 11th largest defense spender in the world. The UK had the highest defence spending in

Central and Western Europe at \$68.5 billion. France, South Korea and Japan also rank among the world's top 10 defense spenders.

## Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Airborne Synthetic Aperture Radar market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

## By Company

Lockheed Martin

Northrop Grumman

Raytheon Technologies

Thales Group

Saab AB

L3Harris Technologies

BAE Systems

Leonardo

ASELSAN

Cobham

IAI

## Segment by Type

Single Mode

Multi-Mode

### Segment by Application

Defense

Environmental Monitoring

Natural Resource Exploration

Others

### Production by Region

North America

Europe

China

Japan

South Korea

### Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

#### Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

#### Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Airborne Synthetic Aperture Radar report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

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