

# Synthetic Aperture Radar Market Report: Trends, Forecast and Competitive Analysis to 2030

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## Abstracts

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### Synthetic Aperture Radar Trends and Forecast

The future of the global synthetic aperture radar market looks promising with opportunities in the defence and commercial applications. The global synthetic aperture radar market is expected to reach an estimated \$10.0 billion by 2030 with a CAGR of 11.0% from 2024 to 2030. The major drivers for this market are growing preference for satellite imagery, augmenting use of these radars in military applications ,and expanding usage of this technology to generate 2D photos and 3D models of objects like landscape.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### Synthetic Aperture Radar by Segment

The study includes a forecast for the global synthetic aperture radar by platform, mode, application, application, and region

Synthetic Aperture Radar Market by Platform [Shipment Analysis by Value from 2018 to 2030]:

Ground

Airborne

Synthetic Aperture Radar Market by Mode [Shipment Analysis by Value from 2018 to 2030]:

Single

Multi

Synthetic Aperture Radar Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Commercial

Defense

Synthetic Aperture Radar Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

### List of Synthetic Aperture Radar Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies synthetic aperture radar companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the synthetic aperture radar companies profiled in this report include-

Israel Aerospace Industries

Northrop Grumman

Airbus

Raytheon Technologies

Leonardo

Mda

Capella Space

## Synthetic Aperture Radar Market Insights

Lucintel forecast that airborne will remain the larger segment due to growing use of this systems to scan and capture wider areas and considerable application of this technology in both military and commercial sectors.

Defence will remain the larger segment due to widespread use of sar in this sector to execute numerous surveillance operations, such as tracking and mapping the movements of enemy troops, espionage, and data gathering.

North America will remain the largest region due to supportive investment in military sector to modernize existing detecting systems, escalating need for space-based data to enable advancements in science, creativity, and economic growth, and presence of key players in the region.

## Features of the Global Synthetic Aperture Radar Market

Market Size Estimates: Synthetic aperture radar market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Synthetic aperture radar market size by platform, mode,

application, and region in terms of value (\$B).

**Regional Analysis:** Synthetic aperture radar market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different platform, mode, application, and regions for the synthetic aperture radar market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the synthetic aperture radar market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

**Q.1** What is the synthetic aperture radar market size?

**Answer:** The global synthetic aperture radar market is expected to reach an estimated \$10.0 billion by 2030.

**Q.2** What is the growth forecast for synthetic aperture radar market?

**Answer:** The global synthetic aperture radar market is expected to grow with a CAGR of 11.0% from 2024 to 2030.

**Q.3** What are the major drivers influencing the growth of the synthetic aperture radar market?

**Answer:** The major drivers for this market are growing preference for satellite imagery, augmenting use of these radars in military applications, and expanding usage of this technology to generate 2D photos and 3D models of objects like landscape .

**Q4.** What are the major segments for synthetic aperture radar market?

**Answer:** The future of the synthetic aperture radar market looks promising with opportunities in the defence and commercial applications.

**Q5.** Who are the key synthetic aperture radar market companies?

Answer: Some of the key synthetic aperture radar companies are as follows:

Israel Aerospace Industries

Northrop Grumman

Airbus

Raytheon Technologies

Leonardo

MDA

Capella Space

Q6. Which synthetic aperture radar market segment will be the largest in future?

Answer: Lucintel forecast that airborne will remain the larger segment due to growing use of this systems to scan and capture wider areas and considerable application of this technology in both military and commercial sectors.

Q7. In synthetic aperture radar market, which region is expected to be the largest in next 5 years?

Answer: North America will remain the largest region due to supportive investment in military sector to modernize existing detecting systems, escalating need for space-based data to enable advancements in science, creativity, and economic growth, and presence of key players in the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the synthetic aperture radar market by platform (ground and airborne), mode (single and multi),

application (commercial and defense), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to synthetic aperture radar market or related to synthetic aperture radar companies, synthetic aperture radar market size, synthetic aperture radar market share, synthetic aperture radar market growth, synthetic aperture radar market research, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

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