

# **Global Automatic Dependent Surveillance Broadcast (ADS-B) Market Size Study & Forecast, by Type, Fit, Component, Application and Regional Forecasts 2025-2035**

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## **Abstracts**

The Global Automatic Dependent Surveillance Broadcast (ADS-B) Market is valued at approximately USD 9.05 billion in 2024 and is projected to grow at a striking CAGR of 20.61% over the forecast period 2025–2035. ADS-B, a cornerstone technology in the transformation of air traffic management systems, enables real-time aircraft surveillance by broadcasting positional data derived from onboard GPS systems. As global aviation grapples with mounting traffic congestion, safety mandates, and the shift toward automation, ADS-B has emerged as an indispensable innovation to ensure precision, efficiency, and scalability in air navigation and monitoring systems.

The momentum toward ADS-B adoption has been supercharged by regulatory mandates such as the FAA's equipage requirements and Eurocontrol's Performance-Based Navigation (PBN) implementation. Airlines and aircraft operators are actively retrofitting existing fleets or integrating ADS-B systems into new aircraft builds to comply with global airspace modernization directives. Technological advancements in transponders, antennas, and receivers have also improved cost-efficiency, enabling even small fleet operators and developing economies to adopt the solution at scale. Furthermore, the deployment of ADS-B In, which facilitates cockpit situational awareness, is elevating flight crew performance and reducing dependency on traditional radar-based surveillance infrastructures.

Geographically, North America currently leads the ADS-B market due to its early and widespread compliance with mandatory equipage policies, bolstered by the FAA's NextGen program. Europe follows closely, driven by its Single European Sky ATM

Research (SESAR) initiative aimed at enhancing interoperability and surveillance efficiency across nations. Meanwhile, the Asia Pacific region is witnessing the fastest growth, attributed to the region's aviation boom, aggressive airport infrastructure expansion, and escalating demand for safer, real-time air traffic surveillance solutions in countries like China, India, and Southeast Asia. These dynamics are complemented by rising investments in military-grade ADS-B systems for national security applications.

Major market player included in this report are:

Garmin Ltd.

Honeywell International Inc.

L3Harris Technologies Inc.

Thales Group

Raytheon Technologies Corporation

Collins Aerospace

Indra Sistemas S.A.

Northrop Grumman Corporation

uAvionix Corporation

Esterline Technologies (a part of TransDigm Group)

FreeFlight Systems

Saab AB

Appareo Systems LLC

Aireon LLC

Aspen Avionics Inc.

## Global Automatic Dependent Surveillance Broadcast (ADS-B) Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

ADS-B In

ADS-B Out

By Fit:

Line-Fit

Retrofit

By Component:

Transponder

Receiver

Antenna

By Application:

ATC Surveillance

Airborne Surveillance

By Platform:

Fixed-Wing

Rotary-Wing

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

#### Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

#### Latin America

Brazil

Mexico

#### Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

#### Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

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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