

# Airborne 3D Radar Market 2029 with key players - Airbus S.A.S., Northrop Grumman , Thales Group, BAE Systems , Saab AB

*Radar stands for radio detection and ranging system. 3D radars are the upgraded version of 2D radars*

PORTLAND, OR, UNITED STATES, March 22, 2022 /EINPresswire.com/ -- Radar stands for radio detection and ranging system. 3D radars are the upgraded version of 2D radars. A 3D radar provides three-dimensional view in terms of elevation, range, and velocity of the object. 3D radars can automatically detect airborne targets and can work under all weather conditions effectively. The 3D radar system works on wireless connectivity and can extract data, which can help in 3D mapping of an area from various angles. 3D radars are used in weather monitoring, surveillance, and for defense purposes. Further, 3D radars are very helpful in precise prediction of natural disasters such as floods, earthquakes, cyclones, and hurricanes. Additionally, 3D radar can be used as a long-range warning system which can detect enemy missiles, aircrafts etc. on the basis of their size, speed & speed.

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Major Market Players:

Airbus S.A.S., Northrop Grumman Corporation, Thales Group, BAE Systems, Raytheon Technologies Corporation, Saab AB, Leonardo S.p.A., ASELSAN A.Ş., L3Harris Technologies Inc., Rheinmetall AG, ELTA Systems Ltd., and Honeywell International Inc

Increase in use of modern warfare techniques, adoption of 3D radar in aircrafts, and increase in number of unmanned aerial vehicles are some of the major factors which drive the global airborne 3D radar market. However, high installation & development cost of 3D radar and high skills requirement for operating & maintaining of 3D radar system, is hampering the growth of the airborne 3D radar market. On the contrary, growing deployment of missile defense systems and technological advancements such as miniaturization of 3D radar will offer new growth opportunities in the global airborne 3D radar market.

3D radars have been developed and are being used in aircrafts due to their advanced features. For instance, airborne 3D radars can predict lightning & hail from 370 miles away. Further, airborne 3D radars can also detect turbulence, can automatically scan from ground up to 60000 feet and can provide information at various altitudes. Such features of airborne 3D radars help

the aircrafts to reduce the weather-related delays. Therefore, the demand for such radars is continuously increasing and hence driving the growth of the global airborne 3D radars market.

COVID-19 Scenario analysis:

- Due to COVID-19 situation, the research & development in airborne 3D radars companies across the globe has been hampered due to the declared lockdowns and government restrictions on public gatherings.
- As governments spending shift toward economic recovery due to COVID-19 pandemic, industries are expected to experience reduction in quantity of order for airborne 3D radars.
- Production rate of 3D radar making companies have been affected adversely due to COVID-19 pandemic, as industries are facing the problem of labor shortage.
- Cancellation of flights globally due to COVID-19 pandemic has negatively affected the business development possibilities to airborne 3D radar companies.
- Post COVID-19, airborne 3D radars market is expected to witness a significant growth as several countries have either already ordered or planning to procure such radars for their forces.

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