

Global Radar Simulator Market Size study & Forecast, by Product Type (System Testing, Operator Training) By Application Type (Military, Commercial) By Component Type (Hardware, Software) and Regional Analysis, 2022-2029

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Abstracts

Global Radar Simulator Market is valued approximately at USD 16.23 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6% over the forecast period 2022-2029. A radar simulator is a software tool that is used to simulate the behavior of a radar system. It is typically used to evaluate the performance of a radar system. A radar simulator typically includes a graphical user interface that allows the user to input various parameters that define the radar system and the scenario being simulated. The Radar Simulator market is expanding because of factors such as rise in commercial as well as defense aircraft and growing number of Air Passenger Traffic.

Radar simulators are commonly used in the design and testing of radar systems, as well as in training exercises for radar operators. They can help to identify potential problems with a radar system before it is deployed and can also be used to develop and refine radar signal processing algorithms. Its prevalence has progressively increased during the last few decades. According to the Statista, in 2022, the projected distribution of the global commercial aircraft fleet in service, narrowbody jets are expected to account for 60% of the global commercial aircraft fleet. Furthermore, in 2022, the global aircraft fleet is expected to have 25,578 aircraft in service worldwide. Another important component driving space increase is number of Air Passenger Traffic. According to Statista China had the largest commercial air travel market in 2020, with over 417.2 million passengers boarding planes registered to Chinese air carriers. The next largest market was the U.S., with just under 370 million passengers, while the Eurozone ranked in third place, with almost 190 million passengers. In addition, The Hartsfield-Jackson Atlanta

International Airport regained its top spot as the world's busiest airport in 2021, with some 75.7 million passengers uplifted. The Guangzhou Baiyun International Airport, with over 40.26 million passengers in 2021. Also, rising government initiatives in Aerospace Industry and rising technological advancement in radar-based technology would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of Radar Simulator stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Radar Simulator Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the presence of key market players and rising technological advancement in radar-based technology. According to the Statista, the simulation and analysis market is forecast to reach 10.3 billion U.S. dollars worldwide by 2024. Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as due to an increase in new aircraft orders fueled by the increasing number of passenger traffic in the market space.

Major market player included in this report are:

AAI Corporation
Buffalo Computer Graphics
Ultra Electronics Holdings plc
Cambridge Pixel Ltd
Raytheon Technologies Corporation
Harris Corporation
Mercury Systems, Inc.
Micro Nav Limited
Presagis Canada Inc.
Rockwell Collins.

Recent Developments in the Market:

In March 2023, The US Navy awarded Raytheon Technologies a \$619 million contract for the production of AN/SPY-6(V) radars, which will be installed on the first Flight IIA Arleigh Burke-class destroyers.

Global Radar Simulator Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

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

Segments Covered Product Type, Application Type, Component Type, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's 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 to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type

- System Testing
- Operator Training

By Application Type

- Military
- Commercial

By Component Type

- Hardware
- Software

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
RoLA
Rest of the World

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