

Global VHF Air Ground Communication Stations Market Size study & Forecast, by Type (Desktop, Portable) by Application (Air Traffic Control System, Civil Aviation Air-Ground Communication, Military Aviation Communication, Others) and Regional Analysis, 2022-2029

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Abstracts

Global VHF Air Ground Communication Stations Market is valued at approximately USD 1.15 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 8.93% over the forecast period 2022-2029. VHF Air Ground Communication Stations is a medium of transmission of secure data between air traffic controllers and pilots. The VHF or very high frequency bandwidth has been integrated into multiple aircraft for communicating securely in the 117.975-137 MHz range. The VHF Air Ground Communication Stations market is expanding because of factors such as increasing adoption of total airport management system and growing aviation traffic.

A VHF station offers a smooth channel for the transmission of important information and other data that helps pilots during communication in the flight. Its prevalence has progressively increased during the last few decades. According to Statista, the total market size of airport operations worldwide is estimated to exceed USD 130 billion in 2021. Furthermore, the airport baggage handling system market is expected to increase in size worldwide from USD 6.7 billion in 2021 to USD 16.1 billion by 2030. Another important component driving space is growing aviation traffic. As per Statista, in 2021, the estimated number of scheduled passengers boarded by the global airline industry amounted to over 2.2 billion people. In addition, the distribution of airline passenger traffic by region around the world in 2019. Operators from the Asia-Pacific region reported the biggest passenger traffic share that year, at over 34%. Also, rising trend of

wireless communication and expansion of economy would create a lucrative growth prospectus for the market over the forecast period. However, the increasing threat of cybersecurity and data breaches stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global VHF Air Ground Communication Stations Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia-Pacific dominated the market in terms of revenue, owing to increasing technological advancement in the region. According to Statista, the Network Infrastructure segment revenue is projected to reach USD 82.50 billion in 2023 and is expected to show an annual growth rate of 4.21% between 2023 to 2027, resulting in a market volume of USD 97.29 billion by 2027. Furthermore, North America is expected to grow with the highest CAGR during the forecast period, the growing presence of key market players in the region, and active participation of government initiatives in the market space.

Major market player included in this report are:

Northrop Grumman Corporation
Thales Group
System interface ltd
Becker Avionics GmbH
Viasat Inc
Chengdu Spaceon Electronics Co., Ltd
Rockwell Collins
Honeywell International Inc
Raytheon Technologies Corporation
Rohde & Schwarz

Recent Developments in the Market:

In February 2023, The SYRACUSE IV programme, led by the French Armament General Directorate, to modernise and increase military satellite communication capabilities, entered a deployment phase in the naval domain. Thales supplies all the satellite communication ground stations for the French Navy. Among the first-rank ships, the multi-mission frigate Lorraine is a pioneer and has recently been delivered by the DGA. SYRACUSE IV will provide the French armed forces with greater secure and protected satellite communications, whatever the threats such as interference, jamming, cyber-attacks, and so on. at high speed, due to its dual-band X and Ka capability, in all sorts of operations. It guarantees end-to-end connectivity while ensuring the

interoperability of the three environments and the complete renewal of satellites as well as ground stations, will gradually replace the assets deployed under SYRACUSE III.

Global VHF Air Ground Communication Stations 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 Application, 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 Type

Desktop

Portable

By Application

Air Traffic Control System

Civil Aviation Air-Ground Communication

Military Aviation Communication

Others

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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