

Satellite Ground Station Market Update 2024 : Projected to Exhibit USD 178.9 Billion Revenue by 2032, Claims AMR

By platform, the fixed segment is anticipated to exhibit significant growth in satellite ground station market in the near future.

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The satellite ground station market size was valued at \$58.70 billion in 2022, and is estimated to reach \$178.9 billion by 2032, growing at a CAGR of 11.9% from 2023 to 2032.”

Allied Market Research

Research published a report, "[Satellite Ground Station Market](#)" by Platform (Fixed, Portable, Mobile), Function (Communication, Earth Observation, Space Research, Navigation, Others), Orbit (Low Earth Orbit (LEO), Medium Earth Orbit (MEO), Geostationary Earth Orbit (GEO)) and End User (Commercial, Government, Defense): Global Opportunity Analysis and Industry Forecast, 2023-2032". As per the report, the global [satellite ground station](#) market size is estimated to reach \$178.94 billion by 2032. The market accounted for \$58.70 billion in 2022 and is predicted to rise at a CAGR of 11.9% during the 2023-2032

period.

[Satellite](#) Ground Stations (SGS) are primarily used for collecting remote sensing satellite data which can further be used for different applications. Some of the popular satellite ground station systems installed globally include Oberon, Capella, and Telesto.

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Prime determinants of growth

The growth of the global satellite ground station market can be attributed to the increase in demand for defense satellite ground station solutions and widespread adoption of Internet of Things (IoT) and autonomous systems. Along with this, extensive use of satellite ground station equipment in online streaming services and broadcasting is expected to drive the market forward. However, cybersecurity threats to satellite ground stations might create hurdles in the growth of the market. Nonetheless, technological advancements in the form of deployment of 5G networks will create numerous growth opportunities in the market

Segments covered Platform, Function, Orbit, End User, and Region.

Drivers

Growing demand for defense satellite ground station solutions

Extensive use of satellite ground station equipment in online streaming services and broadcasting

Widespread adoption of Internet of Things (IoT) and autonomous systems

Opportunities

Technological advancements in the form of deployment of 5G network through satellites

Restraints

Issues related to cybersecurity threats with respect to satellite ground station

Interference in satellite data transmission

The fixed segment to be highly dominant by 2032

By platform, the fixed segment accounted for the largest market share in 2022 with around three-fifths of the total share. Increasing investments in the modernization of defense communication systems are expected to drive the segment. On the other hand, the mobile segment is estimated to have the fastest CAGR of 13.7% in the forecast period. The ability of mobile systems to provide reliable communication medium is projected to augment the growth rate of the market.

Significant Key Developments in Satellite Ground Station Industry:

To enhance their market standing, leading companies are implementing a range of strategies, including collaboration, agreements, partnerships, contracts, and product launches.

In June 2023, SES S.A. partnered with Aerokomm to offer Medium Earth Orbit (MEO) connection services across Taiwan, enabling SES to expand its customer base in the Asia-Pacific region.

May 2023 saw SES S.A. and TESAT teaming up for the development and execution of Europe's quantum secure communications initiative, EAGLE-1. This initiative integrates a quantum key system across both space and ground segments, ensuring secure transmission of encryption keys in geographically dispersed areas and linking the EU's national quantum communications infrastructures.

In April 2023, Intelsat and Public Broadcasting Services (PBS) formalized an agreement, allowing Intelsat to exclusively distribute PBS educational, music, and arts content across the continental U.S. The agreement is anticipated to expand the company's geographical reach.

February 2022 marked the successful launch by the Indian Space Research Organization (ISRO)

of the earth observation satellite EOS-04, along with two others, on the PSLV-C52 mission. Formerly known as RISAT-1A, EOS-04 is a land-based earth observation satellite used for agricultural and forestry applications, including terrain mapping and soil moisture monitoring, functioning in all weather conditions.

In March 2022, Hughes, a wholly-owned subsidiary of Echostar, collaborated with OneWeb to introduce groundbreaking flat panel antenna technology and multi-transport Satellite-LTE capability. The low-profile phased array antenna, devoid of moving parts, is ideal for both fixed and mobile communication.

Key Highlights of the Report:

The study on the satellite ground station market encompasses analysis across seven countries. It includes both country-specific and segment-specific evaluations, presenting values (\$billion) for the projected period of 2021-2031.

Employing a research approach that integrates high-quality data, professional insights, and critical independent perspectives, this study aims to offer a well-rounded understanding of regional markets. Stakeholders can leverage this information to make informed decisions that align with their ambitious growth objectives.

To ensure comprehensive insights, the research extensively reviewed over 3,700 pieces of product literature, annual reports, industry statements, and comparable materials from major industry participants. This thorough examination enhances our understanding of the market dynamics.

The communication segment to grow rapidly in the analysis timeframe

By function, the communication segment garnered the maximum revenue in 2022 with around half of the total market share. Rise in demand for high-speed internet access in remote areas is forecasted to expand the scope of the segment. On the other hand, the navigation segment is estimated to have the fastest CAGR of 13.8% during the forecast period. The vital role played by navigation ground stations in providing accurate positioning data is predicted to help the market surge ahead.

The LEO segment to flourish immensely by 2032

By orbit, the LEO segment held the highest market share in 2022 with around three-fourths of the total market revenue. Technological advancements in higher resolution small cameras are anticipated to push the market forward. On the other hand, the GEO segment is anticipated to have the fastest CAGR of 13.6% during the forecast period. Escalating demand for GEO satellite ground stations from government and commercial agencies is estimated to strengthen the position of the market.

North America to garner huge revenue during the forecast period

By region, the North America satellite ground station market accounted for the largest market share in 2022 with around half of the total revenue. Extensive demand for satellite ground station systems by the U.S. military is expected to become the major factor behind the growth of the market in this region. On the other hand, the market in the Asia-Pacific region is projected to witness the fastest CAGR of 12.9% during the analysis timeframe. The surge in demand for advanced network connectivity in different countries of this region is forecasted to expand the scope of the market in this region.

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Major Companies in the Market:

Viasat, Inc.
Inmarsat global limited
ST engineering
SES S.A.
Kratos defense and security solutions, Inc.
Comtech technologies Inc.
Intelsat
Echostar corporation
Satcom technologies
Gilat satellite networks

The report also studies the different companies in the market along with the several strategies adopted by them, such as mergers and acquisitions, to exert dominance in the industry.

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