

# **Global LEO and GEO Satellite Market Size study, by Orbit Type (Low Earth Orbit, Geostationary Earth Orbit) by Application (Telecommunication, Earth & space observation, Scientific research, Navigation, Others) By End-Use (Commercial, Government & Military, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global LEO and GEO Satellite Market is valued approximately USD 15.4 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.30 % over the forecast period 2024-2032. A low Earth orbit (LEO) is an orbit that revolves around the Earth at a height of between 160 km (99 mi) and 2,000 km (1,200 mi) with an orbital period of around 88 minutes and 127 minutes, respectively. A low-Earth orbit satellite is capable of tracking events on land and in water. Moreover, an Earth-orbiting satellite that is positioned straight above the equator at a height of roughly 22,300 miles or 35,800 kilometers is known as a geostationary satellite. Furthermore, GEO satellites are incorporating advanced technologies such as high-throughput satellites (HTS), which provide significantly increased data transmission capacity. These advancements are improving the efficiency and capabilities of GEO satellites. Thus, these trends further drive demand for the Global LEO and GEO Satellite Market during the forecast period.

Governments and military organizations worldwide significantly drive the Global LEO and GEO Satellite Market due to their reliance on these satellites for critical operations. LEO satellites are essential for high-resolution Earth observation, real-time surveillance, and secure, low-latency communications, enabling timely and effective responses to security threats and natural disasters. This capability supports various military and intelligence operations, enhancing national security and strategic planning. Furthermore, GEO satellites, with their ability to provide consistent and broad coverage,

are indispensable for secure global communications, weather monitoring, and navigation systems crucial for military and governmental functions. They ensure reliable connectivity for defense communications, remote sensing, and command-and-control operations. Additionally, government initiatives to bridge the digital divide and enhance public services in remote areas further stimulate demand. The continuous need for advanced and reliable satellite-based solutions for defense, security, and public welfare drives substantial growth in the Global LEO And GEO Satellite Markets. However, Space Debris and Collision Risks will stifle market growth between 2022 and 2032.

The key regions considered for the Global LEO and GEO Satellite market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue. The North American LEO and GEO satellite markets are characterized by robust growth driven by technological innovation, substantial private investment, and strong demand from governmental and military sectors. The region's leadership in satellite technology and supportive regulatory frameworks foster a dynamic and competitive market environment. Managing challenges such as space debris and ensuring sustainable growth are critical for the continued expansion of these markets. Companies like SpaceX (with its Starlink constellation), Amazon (Project Kuiper), and OneWeb are leading the charge in deploying large LEO constellations aimed at providing global broadband internet. These ventures have attracted significant private investment, reducing reliance on government funding and driving rapid market growth. The market in Asia Pacific is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Furuno Electric

Inmarsat plc.

Qualcomm Inc

INTELSAT S.A.

Texas Instruments Incorporated

The Boeing Company

Lockheed Martin Corporation

L3 Harris Corporation

Mitsubishi Electric Corporation

Thales Group

The detailed segments and sub-segment of the market are explained below:

**By Orbit Type**

Low Earth Orbit

Geostationary Earth Orbit

**By Application**

Telecommunication

Earth &amp; space observation

Scientific research

Navigation

Others

**By End-Use**

Commercial

Government &amp; Military

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

Middle East &amp; Africa

Saudi Arabia

South Africa  
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

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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