

Low Earth Orbit (LEO) Satellites Market to Grow at 14% CAGR from 2025-2029

The Business Research Company's Low Earth Orbit (LEO) Satellites Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- What Is The [Low Earth Orbit \(LEO\) Satellites Market Size And Growth?](#)

In recent times, the market size for low earth orbit (LEO) satellites has seen a significant increase. An expansion from \$6.2 billion in 2024 to \$7.11 billion in 2025, with a compound annual growth rate (CAGR) of 14.6% is anticipated. Factors contributing to this growth during the historic period

include the development of emerging markets, a surge in investment in low earth orbit (LEO) satellite infrastructure, and a rising demand for satellite Internet in under-served rural regions.



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The market size for low earth orbit (leo) satellites is projected to experience swift expansion in the coming years, with an estimated worth of \$12 billion by 2029 and a compound annual growth rate (CAGR) of 14.0%. The anticipated growth can be credited to the escalating investments in the space industry, surging demand for

telecommunications, and the increasing frequency of satellite launches. Key trends forecasted for this period encompass leveraging artificial intelligence and machine learning to enhance mission efficiency and cut down operational costs, deploying upgraded low earth orbit satellites to facilitate global connectivity, adopting 3D printing to decrease satellite and subsystem production costs, improvements in payload systems offering a variety of sophisticated capabilities, and the strategic alliances and partnerships established among market players.

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What Are The Current Leading Growth Drivers For Low Earth Orbit (LEO) Satellites Market?

The aerospace market is expected to grow significantly due to the rising use of low earth orbit satellites across various sectors. These satellites are critical for earth's protection, safety, and longevity, providing essential data for earth observation, particularly in the agricultural sector. They help in monitoring and gauging biological, chemical, and physical aspects on a global level. As per data compiled by the Union of Concerned Scientists (UCS) in January 2022, there are over 4,852 operational satellites actively orbiting the earth. A large portion of the roughly 2,700 active satellites are already in low earth orbit. Additionally, in February 2022, Bharti-backed OneWeb confirmed the successful deployment of 34 additional satellites from the Guiana Space Centre in Kourou, French Guiana, facilitated by Arianespace. With this move, Low Earth Orbit (LEO) satellite communications company, OneWeb, expands its in-orbit constellation to 428 satellites.

Which Companies Are [Currently Leading In The Low Earth Orbit \(LEO\) Satellites Market?](#)

Major players in the Low Earth Orbit (LEO) Satellites Global Market Report 2025 include:

- Thales
- Northrop Grumman Corporation
- Lockheed Martin Corporation
- The Boeing Company
- Airbus SE (Surrey Satellite Technology Ltd)
- L3Harris Technologies
- Kepler Communications Inc.
- Blue Canyon Technologies Inc.
- Blue Origin
- SpaceX

What Are The Main Trends, Positively Impacting The [Growth Of Low Earth Orbit \(LEO\) Satellites Market?](#)

The accelerating adoption of high-tech low-earth orbit satellites is creating a buzz in the low-earth orbit satellite market. Established names in the market segment are prioritizing satellite deployments to ensure worldwide connectivity. For example, Geespace, a Chinese satellite technology firm, successfully launched 10 low Earth orbit (LEO) satellites from the Taiyuan Satellite Launch Centre in September 2024. These satellites incorporate unique characteristics that enhance their performance and effectiveness. Designed to function at elevations of 300 to 2,000 kilometers, they enable lower latency for instantaneous communication. Furthermore, LEO satellites tend to be more cost-effective to launch and operate compared to conventional geostationary satellites. Their widespread coverage, backed by a satellite network, offers uninterrupted service even in isolated areas. The technological improvements in these satellites make provision for high-speed broadband and mobile connectivity catering to the escalating demand.

How Is The Low Earth Orbit (LEO) Satellites Market Segmented?

The low earth orbit (leo) satellites market covered in this report is segmented –

- 1) By Type: Femto, Pico, Nano, Micro, Mini
- 2) By Sub-System: Payload, Structure, Telecommunication, On-Board Computer, Power System, Attitude Control, Propulsion System
- 3) By Application: Technology Development, Earth Observation And Remote Sensing, Communication, Space Exploration, Surveillance
- 4) By End-User: Commercial, Civil, Government, Other End-Users

Subsegments:

- 1) By Femto: Ultra-Small Femto Satellites
- 2) By Pico: Standard Pico Satellites, Pico-Satellite Swarms
- 3) By Nano: CubeSats, Nanosatellite Constellations
- 4) By Micro: Small Micro Satellites, Advanced Micro Satellites With Enhanced Payloads
- 5) By Mini: Mini Satellites With Standard Payloads, High-Performance Mini Satellites

View the full low earth orbit (leo) satellites market report:

<https://www.thebusinessresearchcompany.com/report/low-earth-orbit-leo-satellites-global-market-report>

Which Is The Dominating Region For The Low Earth Orbit (LEO) Satellites Market?

In the 2024 Low Earth Orbit (LEO) Satellites Global Market Report 2025, North America emerged as the leading region and is predicted to continue growing at the fastest rate. The report includes coverage of various regions including North America, Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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