

Scientific Research Satellites Services Market to Expand at a 10.7% CAGR by 2029, Reaching US \$6.15 Billion

*The Business Research Company's
Scientific Research Satellites Services
Global Market Report 2025 – Market Size,
Trends, And Global Forecast 2025-2034*

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The Business
Research Company

Scientific Research Satellites Services Global Market
Report 2025

How Much Is The [Scientific Research Satellites Services Market](#) Worth?

The market size of scientific research satellite services has seen a swift expansion in the past few years. It's projected to increase from \$3.68 billion in 2024 to \$4.09 billion in 2025, with a compound annual growth rate (CAGR) of 11.1%. The historic growth is credited to several factors such as the increasing demand for precise earth observation data, escalation in government support for space studies, and a surge in private sector's investment in space.

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The market size for scientific research satellite services is predicted to witness a substantial rise in the coming years, escalating to \$6.15 billion in 2029 with a compound annual

growth rate (CAGR) of 10.7%. The growth during the forecast period can be linked to the amplified interest in terra perception for conserving the environment, the increasing magnitude of scientific space missions, mounting use of satellites in defense and security sectors, escalating development in satellite payloads, and growing requisition for global communication networks. The forecast period will also see significant trends such as advancements in indigenous atomic clocks, progress in satellite timekeeping technologies, breakthroughs in payload minimization, advancements in multi-spectral imaging, and modern propulsion systems for satellites.

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What Are The Factors Driving The Scientific Research Satellites Services Market?

The escalating count of space expeditions is predicted to accelerate the progression of the scientific research satellite services market in the future. Space explorations signify the programmed initiatives of space agencies to probe and scrutinize the cosmos, which involves dispatching spacecraft to collect scientific data and broaden our cosmic comprehension. The upsurge in space expeditions is fueled by the mounting curiosity in discovering and possibly obtaining precious resources from heavenly bodies like asteroids, the moon, and mars. Services offered by scientific research satellites aid space explorations by procuring critical data and knowledge, enhancing our perception of space atmospheres, thereby ensuring meticulous mission strategizing and triumphant exploration. As an example, in January 2024, Space Foundation, a US-based non-profit entity, reported that global launch activities attained peak levels for the third successive year, with 223 launch trials and 212 triumphs. Commercial launch activities had an increase of 50% compared to 2022. Furthermore, over 2,800 satellites were situated into orbit, seeing a surge of 23% compared to the previous year. Thus, the rising number of space ventures is bolstering the scientific research satellite services market.

Who Are The Major Players In The Scientific Research Satellites Services Market?

Major players in the Scientific Research Satellites Services Global Market Report 2025 include:

- Airbus Defence and Space S.A.S
- Lockheed Martin Corporation
- RTX Corporation
- Northrop Grumman Corporation
- Mitsubishi Electric Corporation
- L3harris Technologies Inc.
- Ball Corporation
- Space Exploration Technologies Corp.
- Israel Aerospace Industries Ltd.
- Blue Origin LLC.

What Are The Key Trends Shaping The Scientific Research Satellites Services Industry?

Leading businesses in the scientific research satellite services sector are utilizing groundbreaking solutions such as C-band synthetic aperture radar (SAR) to deliver precise Earth observation data, regardless of the weather. The C-band SAR is a satellite imaging method that employs 4–8 GHz microwave signals to procure high-resolution imagery of the Earth's surface, supplying consistent all-weather observation for land, sea, and infrastructure. For example, in December 2024, the France-based satellite launch firm, Arianespace SA, successfully deployed the Copernicus Sentinel-1C satellite, outfitted with C-band SAR technology, to continually observe the Earth for the European Union's Copernicus program. This satellite boosts Europe's

autonomous access to vital environmental data, aiding in tasks such as tracking deforestation, urban growth, land sinking, earthquake and landslide aftermaths, and overseeing maritime activities. The Sentinel-1C's capability to capture images independent of weather elements or daylight offers reliable, immediate, and usable data for governments, scientific establishments, and commercial operators. The launch also flagged the comeback of the Vega C launcher, manifesting Europe's expanding skills in launching sophisticated satellites and emphasizing the significance of private and public collaborations in propelling space-based scientific research services.

Which Segment Accounted For The Largest [Scientific Research Satellites Services Market Share](#)?

The scientific research satellites services market covered in this report is segmented

- 1) By Service Type: Launch Services, Satellite Operation Services, Data Processing Services, Ground Station Services, Consulting Services
- 2) By Orbit Type: Low Earth Orbit (Leo), Medium Earth Orbit (Meo), Geostationary Orbit (Geo), Highly Elliptical Orbit (Heo), Low Earth Polar Orbit
- 3) By Satellite Size: Nanosatellites, Microsatellites, Small Satellites, Medium Satellites, Large Satellites
- 4) By Application: Earth Observation, Space Exploration, Climate Monitoring, Other Applications
- 5) By End-User: Government, Commercial, Academic, Other End-Users

Subsegments:

- 1) By Launch Services: Dedicated Launch Services, Rideshare Launch Services, Small Launch Vehicle Services, Heavy-Lift Launch Services
- 2) By Satellite Operation Services: Telemetry Tracking And Command Services, In-Orbit Support Services, Satellite Health Monitoring Services, Payload Operation Services
- 3) By Data Processing Services: Raw Data Processing Services, Data Analytics And Interpretation Services, Visualization And Reporting Services, Archival And Data Management Services
- 4) By Ground Station Services: Tracking And Telemetry Services, Communication Relay Services, Ground Network Management Services, Remote Sensing Data Reception Services
- 5) By Consulting Services: Mission Planning Consulting, Regulatory And Compliance Consulting, Technology Advisory Services, Risk Assessment And Mitigation Consulting

View the full scientific research satellites services market report:

<https://www.thebusinessresearchcompany.com/report/scientific-research-satellites-services-global-market-report>

What Are The Regional Trends In The Scientific Research Satellites Services Market?

In 2024, North America held the top spot in the global market for scientific research satellites services. The report predicts that Asia-Pacific will experience the quickest growth in this sector during the forecast period. The report encompasses regions which include North America, Asia-Pacific, Western Europe, Eastern Europe, South America, Middle East, and Africa.

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