

## 2020 Market Analysis on 6<sup>th</sup> International Conference and Exhibition on Satellite & Space Missions, July 15-16, 2020 | London, UK

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The small satellite market was valued at \$3,632.4 million in 2018, and is expected to reach \$15,686.3 million by 2026, registering a CAGR of 20.1% from 2018 to 2026. Small Satellites are satellites with masses lower than 500 kg. This small satellite market analysis projects the market to grow at a significant CAGR of 14.15% by value and 14.28% by volume, during the forecast period from 2019 to 2030. North America dominated the global small satellite market at a share in 2018. Europe, including the major countries such as the U.K., Germany, Denmark, and Russia, are the most prominent countries for the small satellite market. During the forecast period, the Rest-of-the-World is anticipated to grow at the highest rate due to the increasing requirement of the affordable satellite to attain sustainability.

The satellite communication equipment market is predicted to expand with a compound annual growth rate (CAGR) of 8.88% throughout the forecast period to cross US\$ 47 billion by 2026. Satellite communication equipment market is set to demonstrate promising growth over the forecast period, majorly due to significantly growing IT & telecommunication sector worldwide. The global telecommunication traffic accounted to cross 290 terabits per second in 2017 along with addition of new 196 terabits per second of international Internet capacity between 2013 and 2017.

The prominent players in the Global Small Satellite Market are:

- BAE Systems
- Planet Labs
- SSTL
- SSL
- Innovative Solutions In Space BV
- The Boeing Company
- Tyvak Nano-Satellite Systems Inc.
- Airbus S.A.S

Key players are adopting numerous strategies such as product launch, acquisition, collaboration, partnership, product development, agreement, and business expansion, to stay competitive in the small satellite market. For instance, on August 5, 2019, SpaceX is projected to begin a new SmallSat rideshare program in the coming two years, providing a launch mass of 150 Kg for \$2.25 million per mission.

The global satellite market is currently being driven by numerous factors such as the rapid development and deployment of low-cost satellites, increasing demand for location-based services, adoption of commercial satellite imaging, hyper spectral image processing for automatic target detection across industries, and demand for digital communication.

Numerous major segments with the satellite industry are contributing to the market's overall revenue growth. For instance, by satellite type, both the nano and microsatellite segments are expected to witness rapid growth over the next few years. Technavio's research forecasts the global nano and microsatellite market to grow at a CAGR of almost 23% during the forecast period by 2020, owing to growing demand in commercial applications, their increasing use in military and defense applications, and its cost-effectiveness as compared to bigger satellites.

**North America:** Currently, North America has the highest market share in the spacecraft market, mainly due to high space budget by NASA. Additionally, many companies in the United States, like The Boeing Company, Lockheed Martin Corporation, and SpaceX are making huge investments in spacecraft technologies. In March 2018, NASA was given a grant of as much as USD 20.74 billion for the fiscal year 2018 by the US Government. With investments and government spending amounting to sums as much as this, North America is expected to continue its dominance in the spacecraft market during the forecast period.

**Europe:** This market research report segments the satellite-based earth observation market in Europe by type (data and VAS) and geographical regions (Russian Federation, UK, and Rest of Europe). The VAS segment held the largest market share in 2018, accounting for over 59% of the market. This type segment is expected to dominate the global market throughout the forecast period. Russian Federation led the market in 2018 with a market share of over 44%. This region is expected to dominate the market through 2023, followed by the rest of Europe and the UK respectively.

**Asia Pacific:** According to 6Wresearch, the Asia Pacific (APAC) small satellite market size is expected to register tremendous growth prospects during 2019-25. India, China and Japan are some of the key countries which are leading the APAC small satellite market. These countries have substantial manufacturing capabilities for the development and launch of small satellites. Further, other key countries such as South Korea, Taiwan and Singapore have also penetrated the small satellite market. ISRO has launched several new operations collaboratively in the APAC region and it is utilizing the data from these small satellites to address various issues faced by the countries.

### Importance and Scope

Satellite communication plays a vital role in the global telecommunications system. The satellites are launched into the space to monitor the cloud patterns for the weather prediction, and to send television signals, communication signals. The satellites are used for many applications such as communication, oceanography, astronomy, and army surveillance. The communication satellites have the ability to rapidly communicate between a numbers of widely dispersed locations. The astronomy satellites are mounted on earth orbiting satellites or on the space probes and they can give us an unobstructed view without the interference of earth's atmosphere. The importance of satellite research is increasing with innovative techniques and advancements, perhaps more approaches need to be developed.

Not many people are aware of the fact that a major part of the day-to-day communication happens through the satellite and not ground cables. There was a time when ground cabling carried a vast portion of communication, but today it is assisted by new satellites, especially geostationary models, helping almost continuous and total global coverage. This almost incessant global coverage assists in the realization of a lot of remote healthcare services, like remote health monitoring, emergency communication, assistance in search or rescue operations, and very recently trend is extended to tele-diagnosis.

These along with several other associated services can now be implemented at almost any under-services or remote location on the Earth. This would have been impossible without satellite communications.

### Target Audience

- Spacecraft and satellite engineers
- Satellite launch vehicle manufacturers/ operators
- Marshals and admirals in army
- Scientists
- Space agency executives
- Deans and professors from academia
- Satellite and space researchers
- Geophysicists
- Marketing executives
- Young research scholars
- Students
- Satellite association heads
- Spacecraft ground control operators
- Remote sensing agencies
- Earth science researchers
- Geologists

### Major Satellite Associations around the Globe

- United space in Europe
- European Satellite Professionals Association
- EMEA Satellite Operators Association
- European Global Navigation Satellite Systems Agency
- European Association of Remote Sensing Companies
- The Satellite Industry Association
- The British Association of Remote Sensing Companies
- World Teleport Association
- German Aerospace Center
- Media Broadcast Satellite
- Israeli Nano Satellite Association

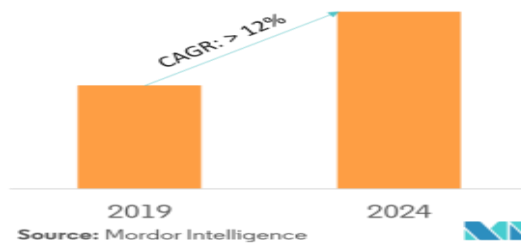


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