

Optical Satellite Communication Market Analysis by Industry Perspective, Analysis, Growth and Forecast 2027

Optical satellite communication is also referred as free-space optical communication (FSO). Light propagating in free space is used to wirelessly transmit data.

PORTLAND, PORTLAND, OR, UNITED STATE, March 31, 2022

/EINPresswire.com/ -- Light propagating in free space is used to wirelessly transmit data from computer networking or telecommunication systems, using free space as their mode of median for communication to provide optical data signals at high bit-rate. In addition, optical satellite communication provides several benefits such as lower deployment cost, easy construction of network topology, efficient use of network resources, and higher data rates, which are anticipated to boost the [optical satellite communication market](#) growth.



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Major players include : Analytical Space Inc., ATLAS Space Operations, Inc., BridgeSat Inc., Hisdesat Servicios Estrategicos S.A., Maxar Technologies Ltd., Mitsubishi Electric Corporation, SITAEL S.p.A, Ball Aerospace & Technologies Corp., Mynaric AG, and Laser Light Communications Inc.

The optical satellite communication market is growing at a very fast pace across the globe. In addition, the market is very competitive so prominent players are adopting different strategies such as expansion of their services, new product launches, collaborations, partnerships, and mergers to increase their customer base. For instance, in 2018, Atlas Space Operations, Inc. and

Xenesis, Inc. made an alliance to develop advanced optical satellite communication network particularly designed for high data flow from the space. Similarly, Ball Aerospace & Technologies made an alliance with Honeywell Corporation to produce high performance optical communication data links. All these strategies by prominent players are anticipated to fuel the market growth in the future.

North America is expected to dominate the market growth, owing to growth in adoption of optical satellite communication solution in the U.S. and Canada. These countries heavily invest in new technologies and R&D. In addition, countries in the region, such as the U.S, use satellite communication in the defense sector to track defense activities globally from the orbit. They are equipping army defense trucks and aircrafts with satellite receivers, which is expected to boost the market growth.

Asia-Pacific is also expected to witness a significant growth, owing to increase in digital satellite broadcasting and internet services. Governments from these countries are taking several initiatives, which is expected to fuel the optical satellite communication market growth, for instance, in 2018, France based CNES and ISRO, India, made a collaboration for an earth observation mission for high resolution imaging capability in optical and microwave technology.

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