Global Nano Satellite Market - Analysis and Forecast (2017-2021)

(Focus on Subsystems, End Users, and Applications)

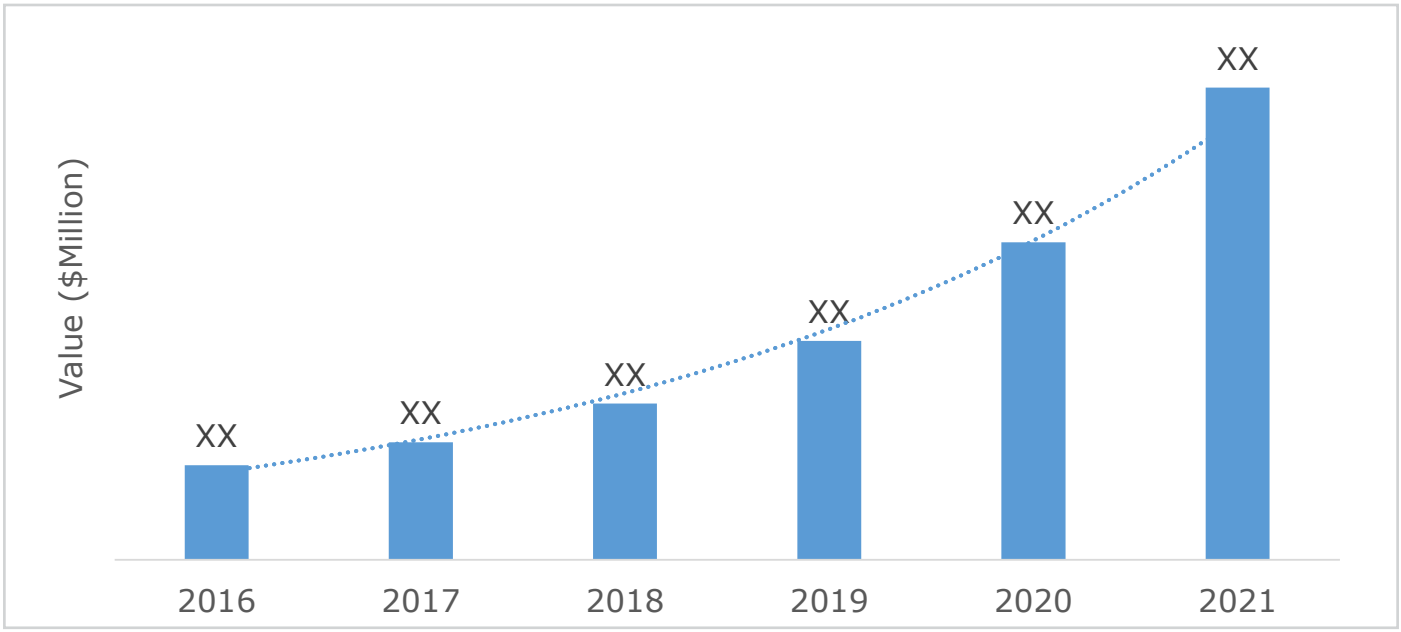
sales@bisresearch.com www.bisresearch.com +1-650-228-0182

Space industry is filled with a range of activities, which are utilizing resources to create value and benefit society, globally, in terms of understanding, exploring, researching, managing, and utilizing space. Space is a government dominated sector, with distinguishing features such as the use of cutting edge technologies and prolonged project development time. Currently, utilization of space for defense applications is prominent, owing to space technologies that have both military and civil applications like weather forecast, surveillance, earth observation, navigation, and many more. However, growth of commercial space sector is on hike, owing to increasing number of satellite startups developing disruptive technologies in space industry such as small satellites (micro, nano, pico, and femto). Major government space organizations worldwide are continuously increasing their funding in space industry to develop efficient and cost effective satellite solutions. The U.S. government's budget for space industry accounted for 13.80% of the overall market, and is expected to increase in the coming future, owing to investments in technological development related to major space projects. Currently, the space industry is at the cusp of a major revolution as more than 3,600 small satellites including nano, micro, and pico, are expected to be launched over the course of next ten years. Nano satellite, in particular, is emerging as a promising market in the small satellite industry. The nano satellite market witnessed a high growth owing to advancements in satellite miniaturization, increasing capability of electronic technology, and ascending demand for small satellite constellations. Recent innovations in satellite equipment and services is expected to enable nano satellite technology to reach a wider segment of consumers in the industry.

Nano satellite constitute different subsystems mainly structure, telecommunication, on-board computer, power system, attitude control system, payload, and propulsion system, which are collectively known as satellite bus. Payload differs according to the application of the satellite which are communication, intelligence, surveillance & reconnaissance (ISR), earth observation and remote sensing, academic, research and space exploration, navigation, and technology demonstration. The end users for the market are academic; the commercial includes agriculture, IT & telecommunication, oil & gas, and mining; government; defense; and non-profit organizations.

Some of the key players in the nano satellite market include Interorbital Systems, Israel Aerospace Industries Ltd., Lockheed Martin Corporation, NanoAvionika, LLC, Northrop Grumman Corporation, OHB SE, Orbital ATK, Inc., and Planet Labs, Inc.

Global Nano Satellite Market Size, 2016-2021



Source: BIS Research Analysis

The global market for nano satellite was estimated to be $127.2 million in the year 2016. Nano satellite market is filled with developments for emerging technologies such as 3-D printed electronic components, on-board internet system, and electronic propulsion system, among others, which are expected to increase competition in the near future as well as facilitate utilization of nano satellite as primary satellite for the space mission. The nano satellite market is expected to grow at a double digit CAGR during the forecast period, 2017-2021.

At present, government end user holds major share of the global nano satellite market owing to high investment by government space agencies in developing efficient and cost effective satellite subsystems for nano satellite, in order to meet its demand in varied applications such as earth observation, communication, navigation, remote sensing, academic research, and space exploration. Additionally, industries including IT & telecommunication, agriculture, mining, and oil & gas, among others as well as commercial end users are expected to find huge opportunities in the nano satellite market.

Different applications of nano satellite includes communication, intelligence, surveillance, & reconnaissance (ISR), earth observation & remote sensing, academic research & space exploration, navigation, and technology demonstration. Currently, academic research & space exploration application of nano satellite have the highest penetration in the market owing to the demand for cost efficient satellite solution to increase access of space to developing nations, colleges, and universities. However, navigation application of nano satellite is expected to garner highest growth in the market mainly driven by continued developments by different nations for new features in GNSS to improve their performance.

Following points provide a concrete description of the report content and the topics covered in the report:

- What are different types of subsystems incorporated in a nano satellite and details about respective manufacturers?
- What is the revenue generation of nano satellites being utilized by different end users?
- What is the revenue generation of nano satellite as per different applications?
- What is the market value of different applications of nano satellite on the basis of varied end users (academic, government, commercial, defense, and non-profit organisation)?
- What is the market size of nano satellite on the basis of different geographical regions? Furthermore, what is the market size of different end users as per the nano satellite launches in these regions?
- What are the different factors driving the market towards growth as well as critical challenges and opportunities for stakeholders present in the nano satellite industry?
- What kind of new strategies are being adopted by existing market players to make a mark in the industry?
- What is the competitive strength of key players in the nano satellite market by analysing through a competitive benchmarking model?
- How attractive is the market for different stakeholders present in the market by using Porter's Five Forces model?
- Additionally, key market players are analysed and profiled in detail in the report. This section covers the business financials, company snapshots, key products & services, major developments, SWOT analysis and future programs (if any)

Global Nano Satellite Market - Analysis and Forecast 2017-2021

Analysis & Forecast:
Base Year: 2016
Estimated Year: 2017
5 Year Annual Estimated Forecast
(2017-2021)

Market by Subsystem:
Payload, Structure, Telecommunication, On-Board Computer, Power System, Attitude Control System, and Propulsion System

Market by End User:
Academic, Commercial, Government, Defense, and Non-Profit Organisation

Market by Application:
Communication, Intelligence, Surveillance, & Reconnaissance (ISR), Earth Observation & Remote Sensing, Academic Research & Space Exploration, Navigation, and Technology Demonstration

Market by Geography:
North America (the U.S. and Canada), Europe (the UK, Germany, France, Russia, Spain, and Rest of Europe), Asia-Pacific (China, India, Japan, South Korea, and Rest of Asia-Pacific), Rest of the World (Latin America, Middle East and Africa)

Global Nano Satellite Market - Analysis and Forecast 2017-2021

BIS RESEARCH
Your Business Intelligence & Strategy Partner

TABLE OF CONTENTS

TABLE OF CONTENTS

TABLE OF CONTENTS

LIST OF TABLE

LIST OF FIGURES

LIST OF FIGURES

LIST OF FIGURES

LIST OF FIGURES

DISCLAIMER

BIS Research provides valuable market intelligence to an exclusive group of customers in response to orders. The report is licensed for the customer's internal use only and is subject to restrictions set henceforth. This document and its contents are confidential and may not be further distributed, published or reproduced, in whole or in part, by any medium or in any form for any purpose, without the express written consent of BIS Research. Customer will not disclose the contents of the report, whether directly in any media or indirectly through incorporation in a database, marketing list, report or otherwise, or use or permit the use of Information to generate any statistical or other information that is or will be provided to third parties; or voluntarily produce Information in legal proceedings.

Market reports are based on expectations, estimates and projections as of the date such information is available. Any recommendation contained in this report may not be suitable for all investors or businesses. The market conclusions drawn are necessarily based upon a number of estimates and assumptions that, while considered reasonable by BIS Research as of the date of such statements, are inherently subject to market fluctuations and business, economic and competitive uncertainties and contingencies.

For more details regarding permission, please contact us:
Email: sales@bisresearch.com
Tel: +1 650 228 0182