

A global supply and demand
analysis of government and
commercial satellites up to 500kg

Prospects for the Small Satellite Market

Forecasts to 2028

SMALLSAT MARKET BY 2028



2009 ----- 2018 ----- 2019 ----- 2028

Average number of smallsats* launched per year

147 859

Average launch mass per satellite

49kg 139kg

Manufacturing and launch value

\$9B \$13B \$4B \$43B \$30B \$13B

Total number of smallsats* launched

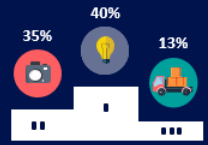
43% 83% Constellation missions Single satellite missions

Top 3 smallsat* operator regions in manufacturing & launch value

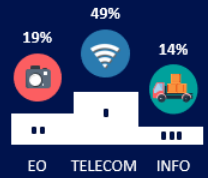
\$5B North America
 \$4B Asia
 \$1B Europe

\$18B North America
 \$14B Asia
 \$4B Europe

2009-2018 Top 3 applications



2019-2028 Top 3 applications



*satellites <500kg

Euroconsult

5th ED. PROSPECTS FOR THE SMALL SATELLITE MARKET
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The market for small satellite (smallsat) manufacturing and launch will grow from \$12.6 billion in 2009-2018 to \$42.8 billion in the coming decade from 2019-2028, nearly quadrupling in size. While the growth is led by large constellations such as OneWeb, SpaceX's Starlink and Amazon's Project Kuiper, the findings show that the smallsat industry is highly diverse, with demand from a variety of operators, start-ups, universities, and countries.

"The smallsat market continues to grow in significance for investors, manufacturers, the supply chain, and a range of other stakeholders," said Alexandre Najjar, Euroconsult Consultant and editor of the report. "Our report is an essential tool for strategic planning with an unbiased analysis of current and future trends. It provides tangible evidence of the increasing demand for smaller and more capable spacecraft."

Among the report's key findings are data points such as:

- In 2017 and 2018 there was a 93 percent increase in the number of smallsats launched compared to 2014-2016.
- 8,600 smallsats will be launched in the next decade, at an average of 835 each year by 2023, growing to an average of 880 per year by 2028.
- Constellations account for 83 percent of the satellites to be launched by 2028.
- The number of smallsats to launch in the next ten years increased by 22 percent over the forecast in the last edition of this report.
- Satellites in the 250-500 kilogram mass range represented six percent of the total number of satellites launched between 2009-2018, but will grow to 18 percent of the satellites launched in the next ten years.
- Smallsats under ten kilograms, such as 3U cubesats, will account for 28 percent of the smallsats launched in the next decade, but only two percent of the total market value.
- Broadband satellite communication should witness the strongest growth with close to 4,200 satellites expected from 2019 to 2028.



ABOUT PROSPECTS FOR THE SMALL SATELLITE MARKET

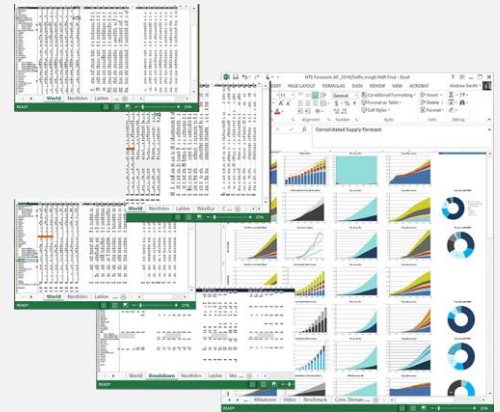
With data on the period from 2009-2018 for historical trends and 2019-2028 for forecasts, *Prospects for the Small Satellite Market* is a comprehensive resource for assessment of both current and future trends. It quantifies the changing landscape in the context of market drivers and their impact.

EXTENSIVE FIGURES & ANALYSIS FOR THE COMING DECADE

All Euroconsult reports have, at their core, data derived from over 30 years of tracking all levels of the satellite/space value chain. To this we add dozens of dedicated industry interviews each year, along with the continual refinement of our data models, and the collection and interpretation of company press releases and financial filings. Our consultants have decades of experience interpreting and analyzing our proprietary databases in light of the broader value chain.

When you purchase research from Euroconsult, you receive thousands of data points and the expert interpretation of what this means for specific verticals and sectors of the satellite value chain, including forecasts based on years of data and highly refined models.

This report contains Extensive Excel budget database, with thousands of data points, covering annual space budgets from 1990 to 2028.



THE REPORT INCLUDES:

- ✓ Analysis of the demand through three KPIs : number of smallsats, mass to be launched and market value (manufacturing and launch)
- ✓ Smallsat demand breakdown by mass, region, organization type, application
- ✓ Smallsat supplier analysis , including Detailed profiles of 35 biggest manufacturer
- ✓ Launch supply analysis
- ✓ Two time periods of reference: 2009-2018 for historical trends and 2019-2028 for forecasts

A MUST READ FOR:

- ✓ Administrations & Space Agencies
- ✓ Satellite & Equipment Manufacturers
- ✓ Satellite Operators
- ✓ Launch Service Providers
- ✓ Investors & Financial Institutions

EXTENSIVE SATELLITE DATABASE

With thousands of data points, covering supply and demand from 2009 to 2028

KEY TRENDS, DRIVERS & FORECASTS FOR SMALL SATELLITE MARKET

Prospect for the small satellite market is a reference for industry players & leaders around the globe. The report provides critical information for policy, business and strategic planning in small satellite business, including:

- ✓ Strategic Outlook containing global trends, forecasts and benchmarks by application, mass categories, type of customers, countries
- ✓ Detailed market drivers
- ✓ State of the art analysis of hardware development



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