

**NOVASPACE**  
Merger of Euroconsult Group and  
SpaceTec Partners

# Satellites to be Built & Launched 2024

A complete analysis and forecast of satellite manufacturing and launch services

A Novaspace Report

September 2024  
27<sup>th</sup> Edition

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## ABOUT THIS MARKET INTELLIGENCE REPORT


### Scope

**Satellites to be Built & Launched** provides a comprehensive understanding of the world satellite demand over the next 10 years in number of satellites, manufacturing and launch value and masses for all orbits, customers, all regions and applications (except human spaceflight). It's based on an in-depth analysis of satellite applications and missions, satellite operators and users, technology advances, and the impact of these factors on the manufacturing and launch industry. It also provides detailed status and maturity assessments of all commercial constellations and discusses the business cases for the four mega-constellations and their differing vertical integration strategies.

### Extensive figures & analysis for the coming decade

**This report contains the following information:**

- Forecast of all satellites to be built and launched for any applications, orbits, type of users. Two-time periods 10 years of historical trends and 10 years forecasts.
- Beyond 10 years: foresight for the space industry by 2043
- Strategic overview of the industry and market trends
- 20 years satellite database with key information
- Comprehensive analysis of demand and supply distribution
- Profiles of key supplier involved in satellite manufacturing and launch business



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## Satellites to be Built & Launched

A complete analysis and forecast of satellite manufacturing and launch services.

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**ABOUT THIS MARKET INTELLIGENCE REPORT**

Choose your plan

Classic		Premium	
*Single Team	**Corporate Unlimited users	*Single Team	**Corporate Unlimited users
€ 8,000	€ 18,500	€ 10,000	€ 21,000
<p>In-depth analysis of satellite applications and missions, satellite operators and users, technology trends in PDF format</p> <p>Excel databases, covering all satellites, regardless of mass, launched in the last decade, as well as satellites currently under construction, and launch forecast for the next decade</p> <p>Detailed status and maturity assessments of 550 commercial constellations of five satellites or more and discusses of business cases of the four mega-constellations.</p>		<p><b>All classic options</b></p> <p>Extended database of all government and commercial satellites launched and to be launched (10-year backlog and forecast), featuring 30 columns with detailed breakdown: constellation, specific application, manufacturing and launch contract status, information about satellite operator, manufacturer and launch provider.</p> <p>Quarterly update of the satellites launches and manufacturing contracts.</p>	

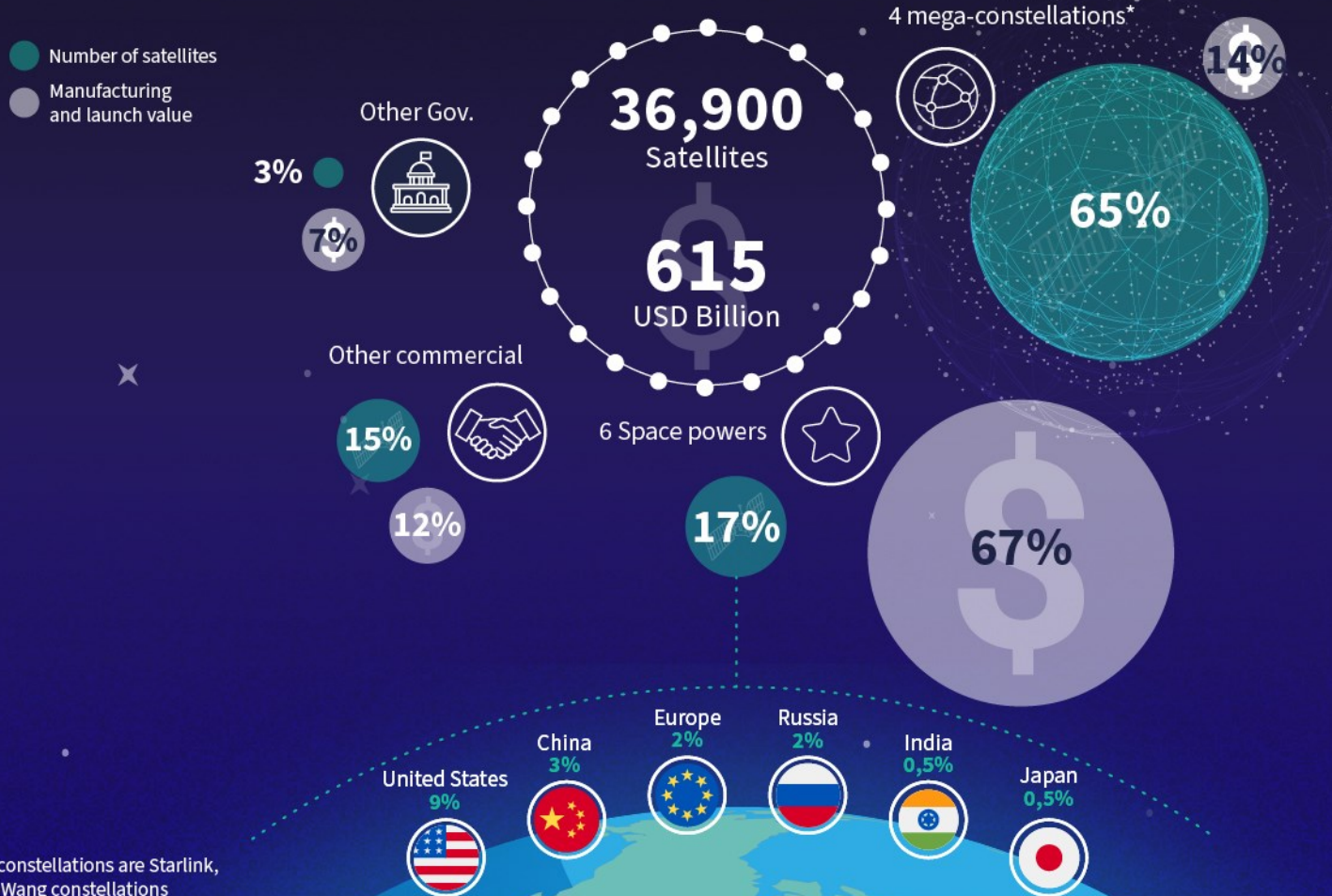
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# Satellite market by 2033

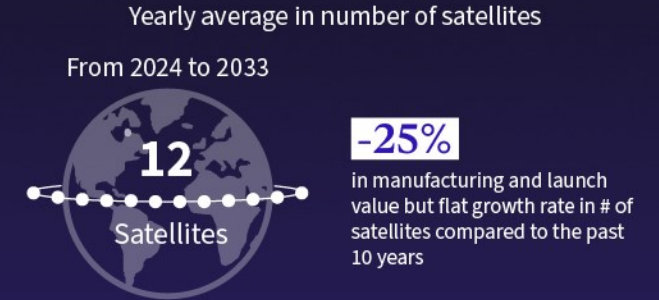
An average of seven tons of satellites will be launched per day over the next 10 years, driven by mega-constellations amid consolidation

## Imbalance between the number of satellites and their market value

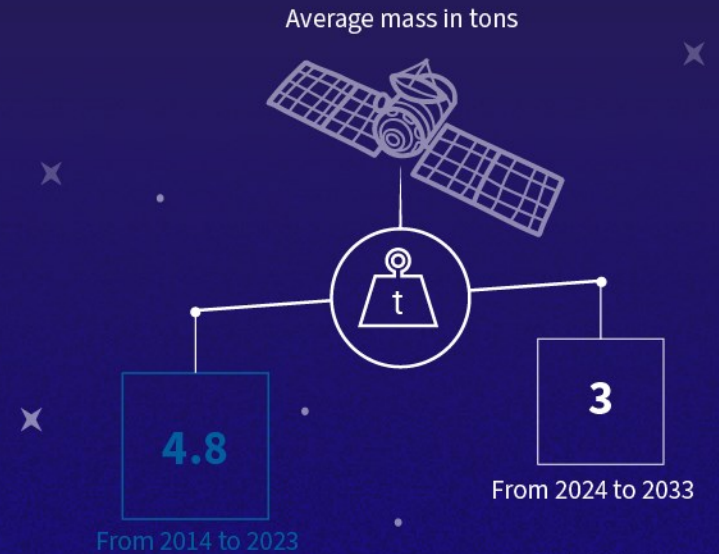


\*The four mega-constellations are Starlink, Kuiper, G60, GuoWang constellations

## Commercial GEO comsat demand stabilizing...



## ... Smaller form factors emerging



**EXECUTIVE SUMMARY**

## Seven tons of satellites to be launched per day on average over next 10 years amid value chain consolidation

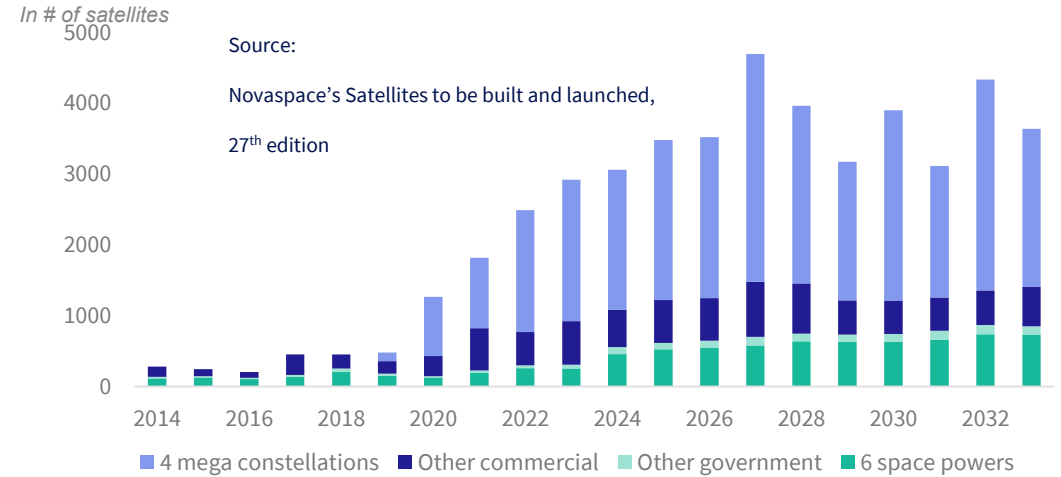
*Novaspace forecasts an average of 3,700 satellites will be built and launched over the next decade reflecting the growth of satellite-driven connectivity and data services – equivalent to 10 satellites per day and totaling a mass of 7 tons - between 2024 and 2033.*

**Four commercial broadband NGSO mega-constellations**, with their massive scale and vertical integration, are transforming the landscape of satellite manufacturing and deployment, particularly in the pursuit of global connectivity. Starlink, Kuiper, G60, GuoWang constellations alone **will account for 65% of the demand in number of satellites but only 14% to the overall manufacturing and launch value** as their vertical integration enabling massive economies of scale. In contrast, **2,900 satellites** weighing more than 500 kg each, operated by 170 satellite operators, **will represent 70% of the satellite manufacturing and launch market value but only 7% of the total number of satellites**. This reflects the diversity of use cases, orbits, performance needs, mass and form factors.

**GEO comsat** will remain stable compared to the past 10 years **with an average of 12 yearly orders**, while manufacturing and launch **value is expected to decline by 25%**, driven by a broader variety of satellites, including smaller assets.

On Government side, civil and defense agencies from the **six-leading space-faring governments** alone (U.S, China, Europe, European governments, EU and ESA, India and Japan) **will concentrate two third of the demand** in manufacturing and launch **market value**.

**A forecast of 36,900 satellites for a total market of \$615 billion over the next 10 years**



On the supply side, the growing market dominance of a few large commercial satellite operators could exert pressure on both smaller competitors and suppliers. Established satellite manufacturers, already grappling with cost pressures and demands for greater efficiency, may face further margin compression as these major operators push for more favorable pricing. As a **result, mergers or partnerships among satellite manufacturers may become essential to stay competitive**. In space transportation, new heavy and medium launch vehicles are entering the market but have yet to scale up their launch frequency and alleviate the bottleneck and challenge SpaceX's dominance.

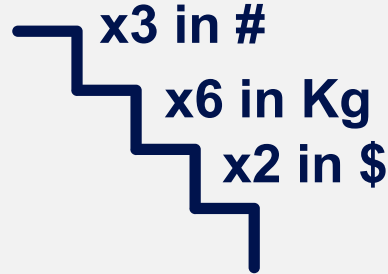
### Choose your plan

On average

**3,900**  
**Satellites**  
**to be launched**  
every year by 2033



### Decade to decade growth

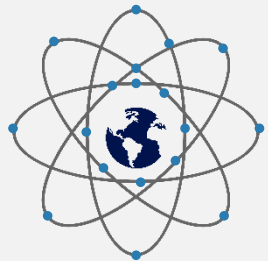


**4 Mega Constellations**  
65% in number of satellites

**Rest of commercial demand**  
15% in number of satellites



**But are close in market value at 14% vs 12%**



LEO SSO account for **97%** of the demand in number of satellites and **65%** in market value



**75%**

of market value from governments

### The world space industry over two decades

	2014-2023	2024-2033
<b>Number of satellites to be launched</b> Of which four mega-constellations	10,614 satellites 53%	36,892 satellites 65%
<b>Satellite mass to be launched in tons</b> Of which four mega-constellations	4,599 tons 46%	25,597 tons 81%
<b>Satellite industry revenues for the decade</b> Of which four mega-constellations	<b>\$322 Billion</b> 7%	<b>\$615 Billion</b> 14%
<b>Manufacturing revenues</b> Of which four mega-constellations	\$241 Billion 6%	\$455 Billion 11%
<b>Launch revenues</b> Of which four mega-constellations	\$81 Billion 12%	\$160 Billion 22%

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**GOVERNMENT SPACE**



Government Space Programs



Space Defense & Security

**SATELLITE COMMUNICATIONS**



Satellite Connectivity and Video Market



FSS Capacity Pricing Trends



Prospects for Maritime Satellite Communications



FSS Operators: Benchmarks and Performance Review



Prospects for Direct to Handheld and IoT Markets



Prospects for In-Flight Connectivity



NGSO Tracker



Optical Communications Market

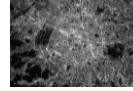


High Throughput Satellites

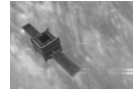
**SPACE INDUSTRY**



Satellites to be Built and Launched



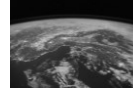
Space Market Monitoring



Prospects for the Small Satellite Market



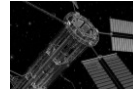
Ground Segment Market Prospects



The Space Economy Report



Financing & Transactions Database

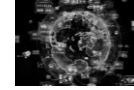


Space Logistics Markets

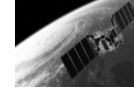


Space Situational Awareness

**EARTH OBSERVATION**



Earth Observation Data & Services Market



Earth Observation Satellite Systems



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Perspectives  
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