

About SpaceTech Analytics

SpaceTech Analytics is a specialized think tank in the area of SpaceTech innovation profiling, business intelligence, and investment analytics. The company is dedicated to producing powerful data mining and visualization systems; interactive analytics tools; and industry reports offering deep technical insights, business intelligence, and strategic guidance in the high-growth and significant opportunity areas of the SpaceTech industry, including cloud services, navigation, satellite communication, spacecraft development, space travel, space medicine and more.

"SpaceTech Industry 2021 Q3 Landscape Overview"

In the second iteration of a report, we have assembled information about key industry trends and more than 12,000 SpaceTech companies, 5,000 leading investors, 200 R&D hubs and associations, 140 governmental organizations and publicly traded corporations, outlining major investment events and relevant R&D trends.



"SpaceTech Industry 2021 Landscape Overview" is an open-access, 245-page special analytical case study, designed to provide tangible industry insights, market trends, companies, investors, technologies benchmarking on the Global SpaceTech Industry. We have developed a unique methodology that includes 3 major groups: "Core" companies, "Verge" companies, and "Space-Applied Businesses". This approach allowed us to create the most extended database in order to estimate the size of the industry.

12,000+
Companies

5,000
Investors

14
Industry Sectors

340
R&D Hubs and
Associations

200
Publicly Traded
Companies

Key Takeaways From this Report

- Development of technologies enabling efficient return of payload back to Earth will spur the development of manufacturing in space, with its unique properties of weightlessness and cheap vacuum.
- The average cost to launch a kilogram of payload into LEO on the space shuttle remained constant at about \$54,500. Now, the cost per kilogram is \$2,720 on a SpaceX Falcon 9 rocket.
- In the last century, the size of the fairing of a rocket determined the maximum dimensions of a satellite.
- Earth's orbit slowly becomes a teeming place full of non-operational satellites and debris. Moreover according to NASA on average one hundred tons of junk falls back to Earth, which makes it a rather hazardous circumstance.

This analytical report represents market and technological overview of SpaceTech industry in it's very comprehensive level. It is highlighting both business insights and state-of-the-art techniques that are being developed to adverse key challenges of deep space exploration, in-situ resource utilization, space traffic management and space transportation infrastructure tune-up, and many more space sectors that will allow the humanity to become a multi-planetary civilization. In addition to their purely descriptive and analytical approaches, the report is designed to make key strategic recommendations and guidance regarding space-related technologies and techniques, within the reach of companies, other entities, and nations, in order to assist them in optimizing their plans and strategies.

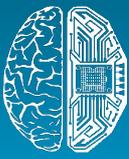
Key Financial Takeaways From this Report

Based on a comprehensive analysis of key market players and overall industry dynamics, we concluded the following:

- North America is the leading region by the number of SpaceTech companies, with more than 6600 companies in the area. It is followed by Europe & Central Asia with 2681 companies and East Asia & Pacific with 1131 companies. The US is firmly in the lead in terms of the number of space tech companies (52.1%).
- Showing stable growth, the global SpaceTech economy was valued at \$4T in 2020 and is expected to grow to \$10T by 2030. According to the most conservative estimates, it accounts for 0.5% of the global GDP.
- Our Top 20 "Core" Publicly Traded Companies by Capitalization in 2021 include Korea Aerospace Industries, IHI Corporation, AT&T Inc., Honeywell International Inc., and The Boeing Company sharing the first 5 places which cumulative capitalization.

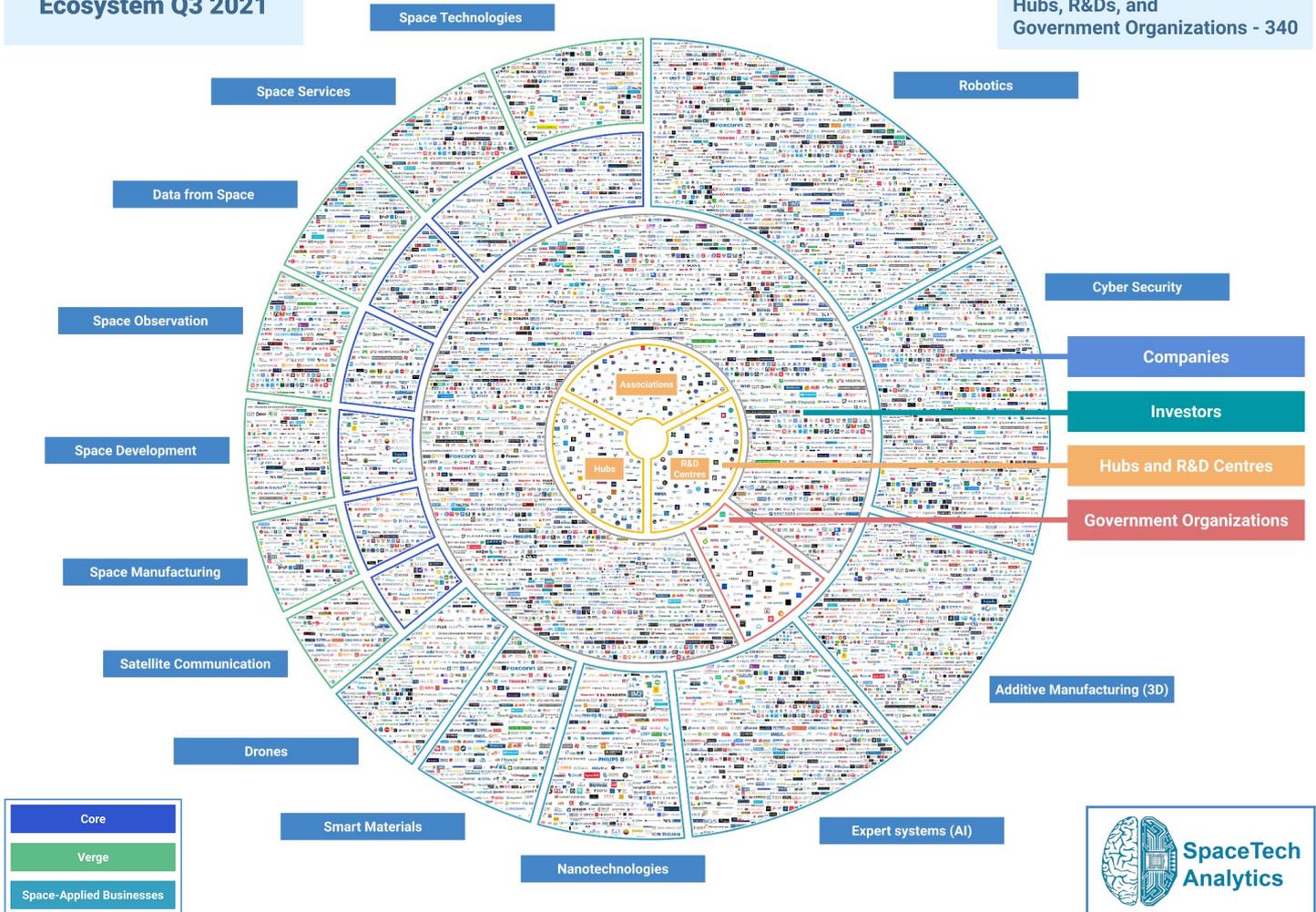
Conclusions and Future Projections

2021 became a year filled with historical milestones for the space industry. Some of the most eagerly anticipated ones, like SpaceX' sending four tourists to space have already happened. Some of them, such as settling first Moon stations by Artemis II are still expected in the closest future. The majority of breakthroughs in space exploration was achieved either by private companies or in collaboration with them. However, government authorities begin to pay more attention to the fast-growing industry.



Global SpaceTech Ecosystem Q3 2021

Companies - 12 000+
Investors - 4000+
Hubs, R&Ds, and
Government Organizations - 340



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