



VENTURE INVESTMENTS IN SPACE INDUSTRY

Q2 2019 REPORT

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OUR METHODOLOGY AND DATA SOURCES



Venture Investments in Space Industry reports of venture type of investments of all stages and equity investments in space startup companies on a quarterly basis. Our report dataset is sourced from databases, such as PitchBook, Crunchbase, NewSpace Hub, CB Insights and other sources. The dataset includes only publicly reported deals, it does not include proprietary investment information.

OUR DEFINITION

A company from a space industry is a business entity that provides products or services, including, but not limited to:

- satellite manufacturers constructing space satellite platforms of all sizes for commercial, scientific and military purposes
- providers of payloads, satellite parts or spacecraft components
- launch vehicles manufacturers and launch service providers
- rocket engine manufacturers
- companies related to satellite sector, including satellite operators and satellite service providers, companies with products and services based on GPS and GNSS systems, satellite connectivity and other satellite technologies to provide its services
- companies involved in exploring and commercializing of the outer space, such as space tourism, space mining and setting up space colonies
- companies manufacturing satellite ground equipment such as antennas, VSAT, SSPAs & BUCs etc. intended primarily for the B2B market
- data analytics companies, actively using satellite imagery and other earth observing methods to create their products and services, remote sensing and geospatial analytic products and services

Q2 2019 VENTURE INVESTMENTS IN SPACE INDUSTRY: KEY NUMBERS

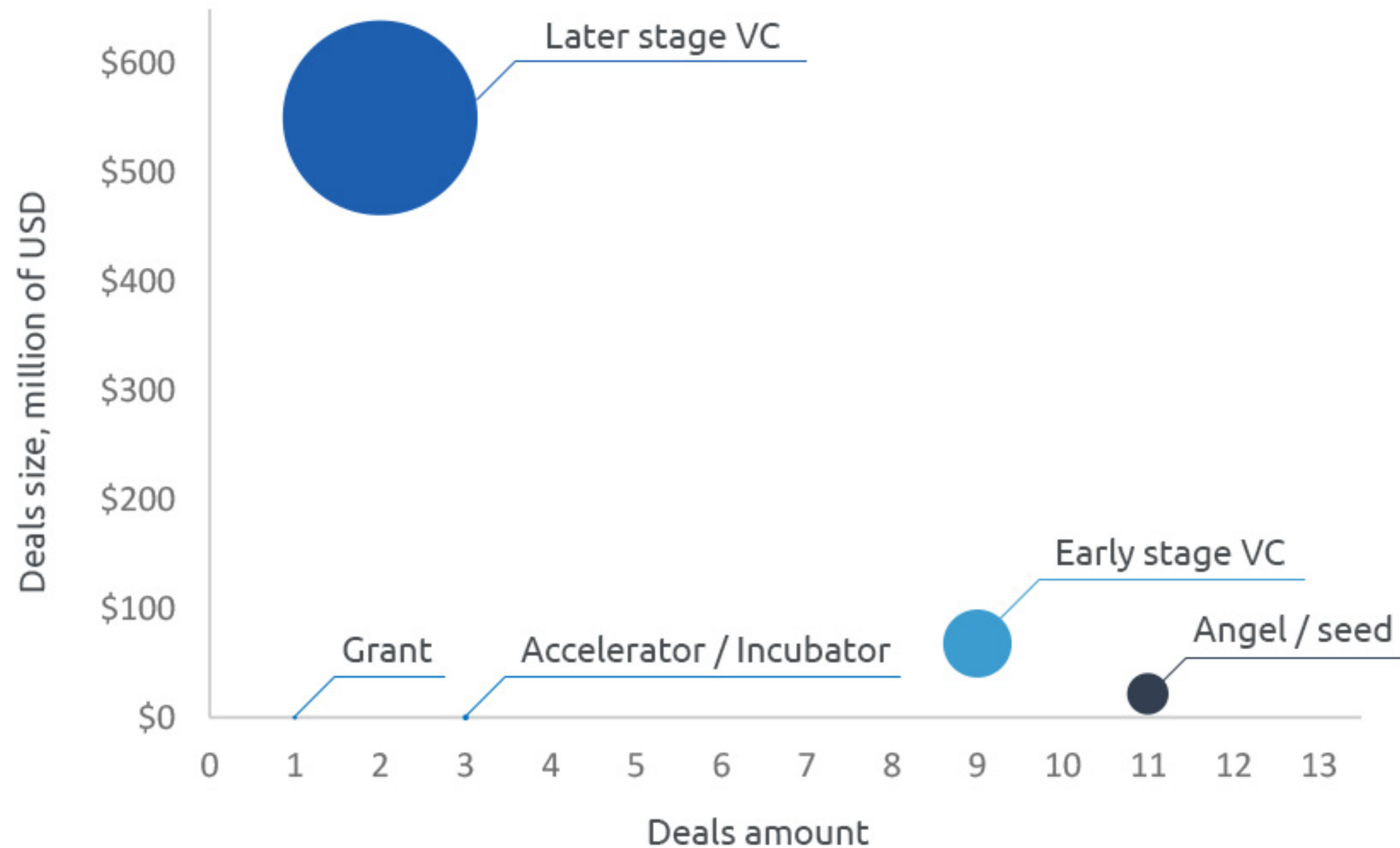
26 Rounds closed

\$640M Total investments

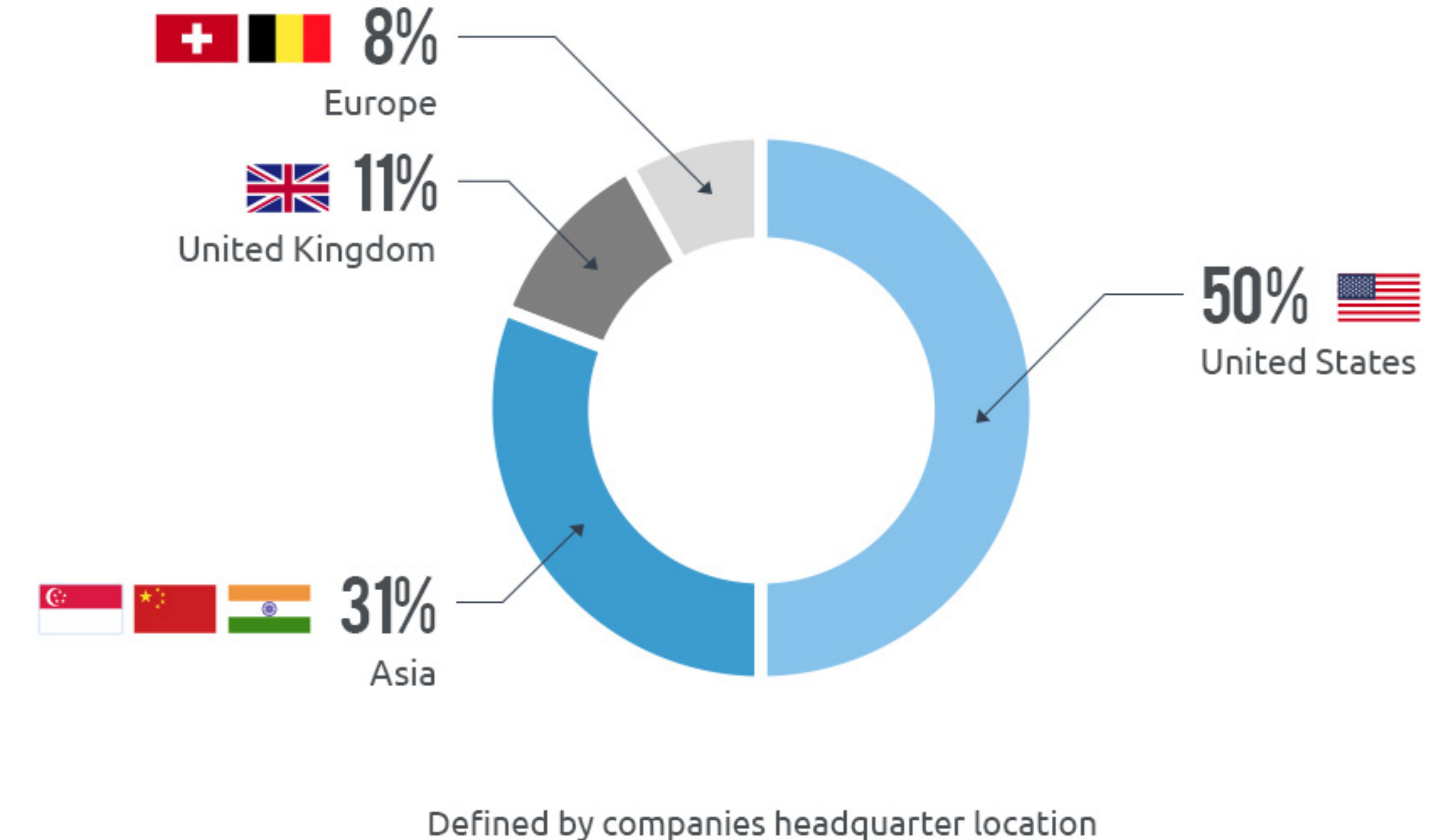
60 Funds participated in funding

84% Share of investments in SpaceX mega-constellation project

DEAL TYPES



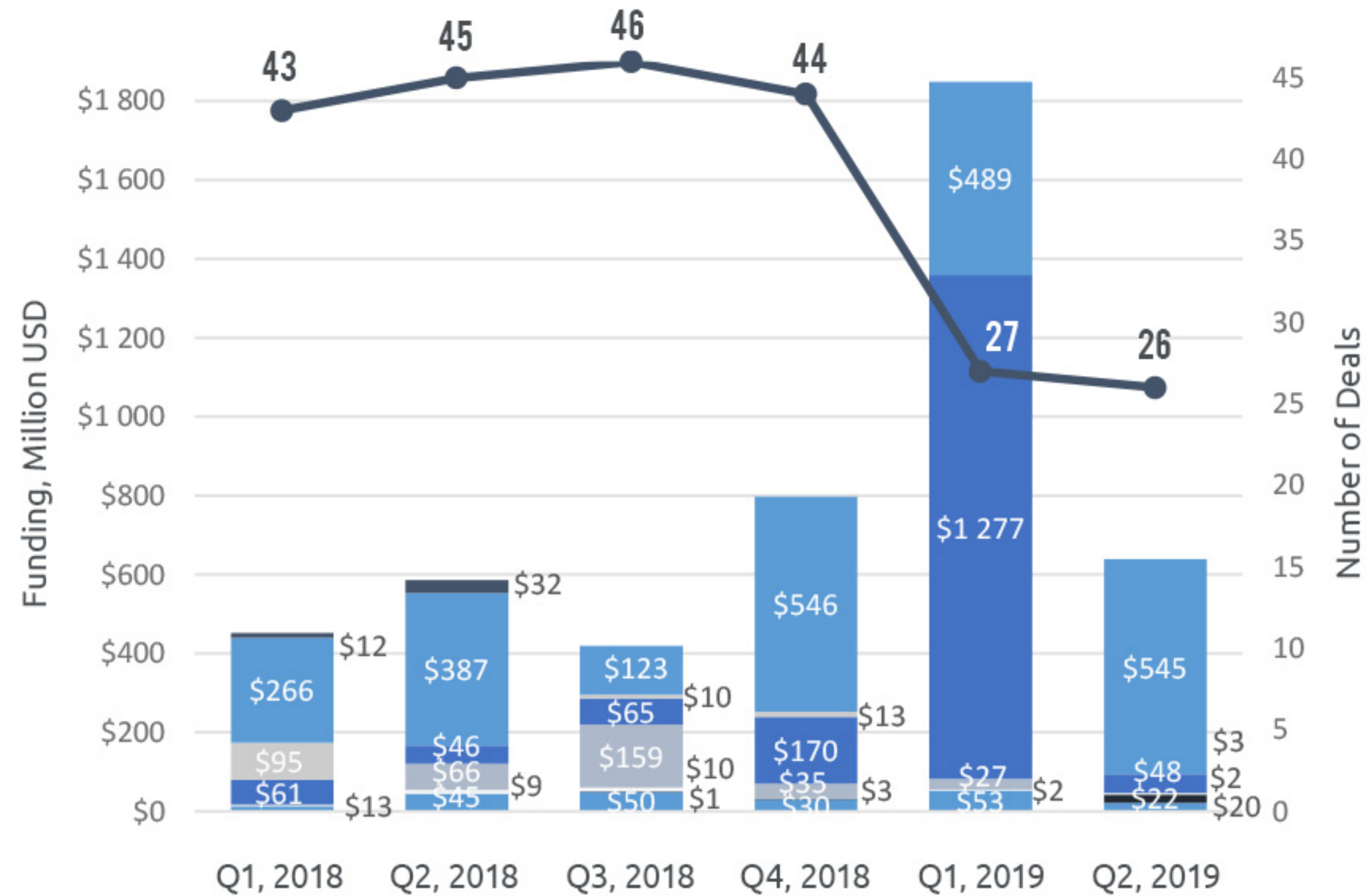
INVESTED COMPANIES BY GEOGRAPHIC AREAS



DYNAMICS OF VENTURE INVESTMENTS IN SPACE INDUSTRY, Q1 2018–Q2 2019

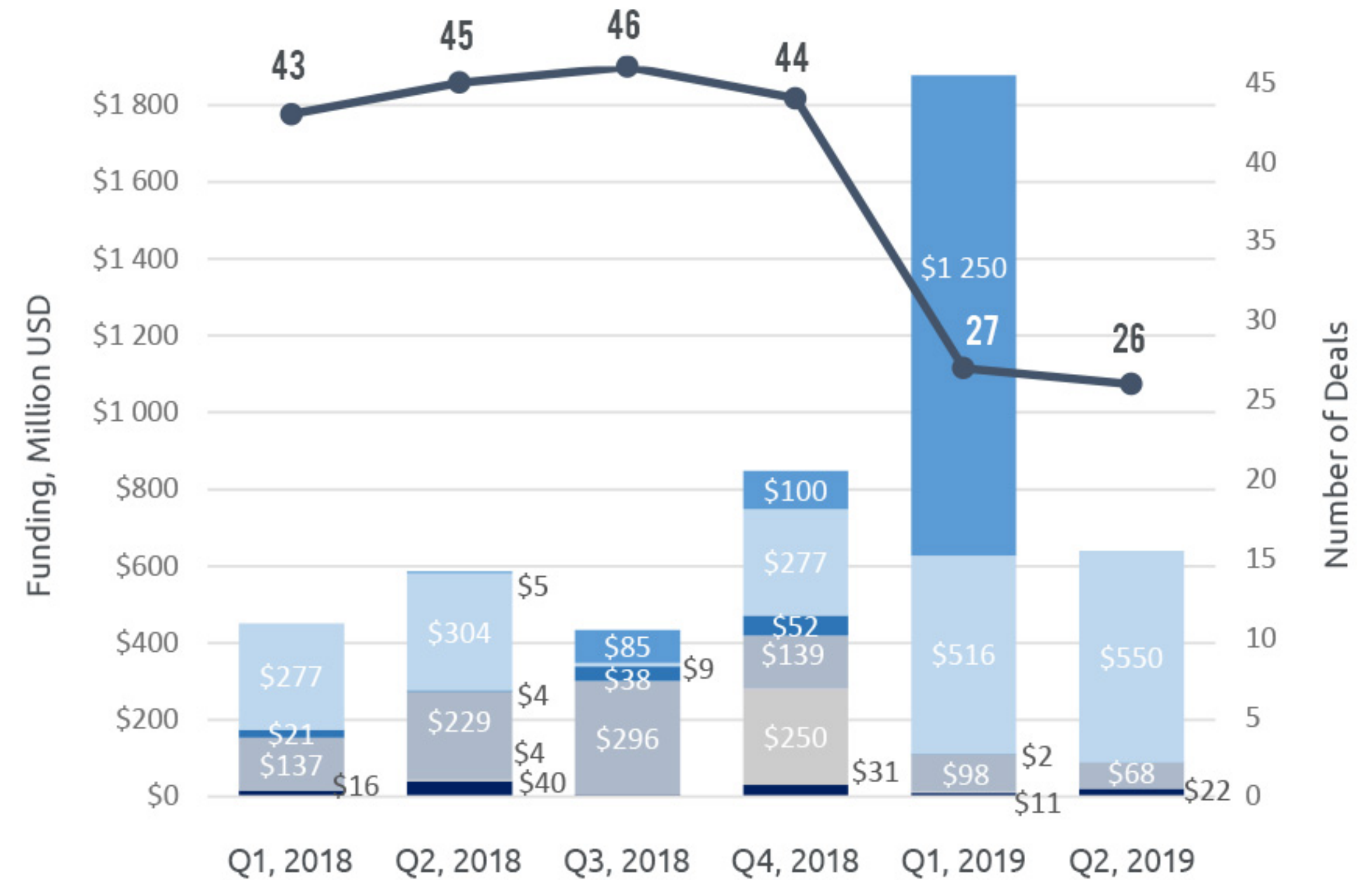


DEALS BY INDUSTRIES



- Spaceport operators
- Space exploration & commercialization
- Satellite manufacturing & servicing companies
- Materials & parts suppliers
- Deals
- Space launch
- Satellite operators & service providers
- Satellite ground equipment & solutions
- Earth observation & geospatial analytics

DEALS BY STAGES



- Angel / seed round
- Grant
- Debt
- Later stage VC
- Early stage VC
- PE growth / expansion
- Deals

DYNAMICS OF VENTURE INVESTMENTS IN SPACE INDUSTRY, Q1 2018–Q2 2019



SPACE LAUNCH



SPACE INFRASTRUCTURE AND IN-ORBIT SERVICES



MATERIALS & PARTS SUPPLIERS



EARTH OBSERVATION & GEOSPATIAL ANALYTICS



SATELLITE MANUFACTURING & SERVICING COMPANIES



SATELLITE OPERATORS AND SERVICE PROVIDERS



SATELLITE GROUND EQUIPMENT & SOLUTIONS



LARGEST DEALS OF Q2 2019 VENTURE INVESTMENTS IN SPACE INDUSTRY



\$536M | **\$31.5B** Post valuation

SpaceX is currently building two capital-intensive projects — the fully reusable Super Heavy booster with its Starship upper stage, and the Starlink broadband megaconstellation of up to 12,000 satellites.



\$14.5M | **\$73M** Post valuation

Chengdu GuoXing Aerospace Technology (also known as ADA Space) is building satellites powered by Artificial Intelligence, and will use the funding for R&D and expansion of its technology, satellites and data services.



\$14.5M | **\$31.5B** Post valuation

Ruixinfeng Technology specializes in aerospace and defense electronics, unmanned platform equipment, wireless signal test, measurement solutions. Round funding will be used for talent and product development, and promotion.



\$13.7M | **\$119M** Post valuation

Capella Space is continuing the development of its radar satellite constellation, expanding its staff and ordering components.



\$12.4M

With this funding, the startup will be able to launch its first 5 satellites, and develop AI platform. Full constellation is assumed to be 15-20 50-cm-resolution optical imaging satellites.



\$12M

The investment will enable the company to commercialize its precision agriculture technologies and expand local presence in target markets.



\$9M | **\$38M** Post valuation

The investment is intended to fund a recruitment drive in the UK and international expansion of the advanced crop analytics company.









\$13.7M | **\$119M** Post valuation

The company intends to use the funds to expand the team and infrastructure and move its 3D microsystem products for telecom, aerospace, industrial, and life science markets, into pilot production.

VENTURE FUNDS TARGETED IN SPACE INDUSTRY



FUND			
FOUNDED	2014	2007	2006
ICONIC INVESTMENT			
CURRENT FOCUS	<p>Current investment plans are to add to our portfolio various companies from different segments of the space ecosystem:</p> <ul style="list-style-type: none"> ■ Orbital transfer vehicles for deploying satellites ■ Component suppliers for small satellites ■ Small satellite manufacturers ■ Space tugs and debris removal systems ■ Ground and communication services ■ Earth observation and data analysis ■ Moon projects and commercial deep space exploration missions 	<p>Singular focus on early-stage space ventures puts it in the position to weed out unqualified opportunities (only less than 5% applications satisfied investment criteria)</p>	<p>The fund invests in both downstream (software), and upstream (hardware) 'New Space' opportunities, along with technologies which rely on satellite data such as drones and the Internet of Things, or which have potential space applications such as artificial intelligence, robotics and nanomaterials</p>

ABOUT NOOSPHERE VENTURES

NOOSPHERE VENTURES

Is a team of professionals who believe in New Space and build the streamline space businesses ecosystem. We invest in world class teams, technologies and business models that can change the world.

CONTACTS

If you have a relevant business that is looking for venture capital funding, submit your business plan for review pitchdeck@noosphereventures.com

Our professional team has excellent investment and technical background, and our expertise helps to assess the prospects of projects and pursue it for many years to come.

For questions & feedback about the report industry@noosphereventures.com



OUR SPACE PORTFOLIO



EARTH
OBSERVING
SYSTEM

Listening To The Pulse Of The Planet



FIREFLY
AEROSPACE



SETS

SPACE ELECTRIC THRUSTER SYSTEMS

ABOUT NOOSPHERE VENTURES



We consider strategic development and expansion in the space sector. We invest in teams and companies from seed to emerging growth stages and provide a powerful combination of capital and alternative resources for space companies. We are happy to lead deals or syndicate with other quality investors.

“

I have a kind of integrated vision with launchers, spaceports and satellites in addition to our data-analytics company. ...My vision is vertical integration.

“

...communications, observation, AIS, there are multiple possibilities. Space companies take time and we are ready to be patient with our investment.

— Dr. Max Polyakov, Interview to Space Intel Report

www.spaceintelreport.com/noosphere-ventures-firefly-launch-vehicle-then-data-analytics-then-satellite-production-then

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