

NOOSPHERE VENTURE INVESTMENTS Technology Knowledge Humanity VENTURE INVESTMENTS IN SPACE INDUSTRY

Q3 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

Q3 2019 VENTURE INVESTMENTS IN SPACE INDUSTRY: KEY NUMBERS



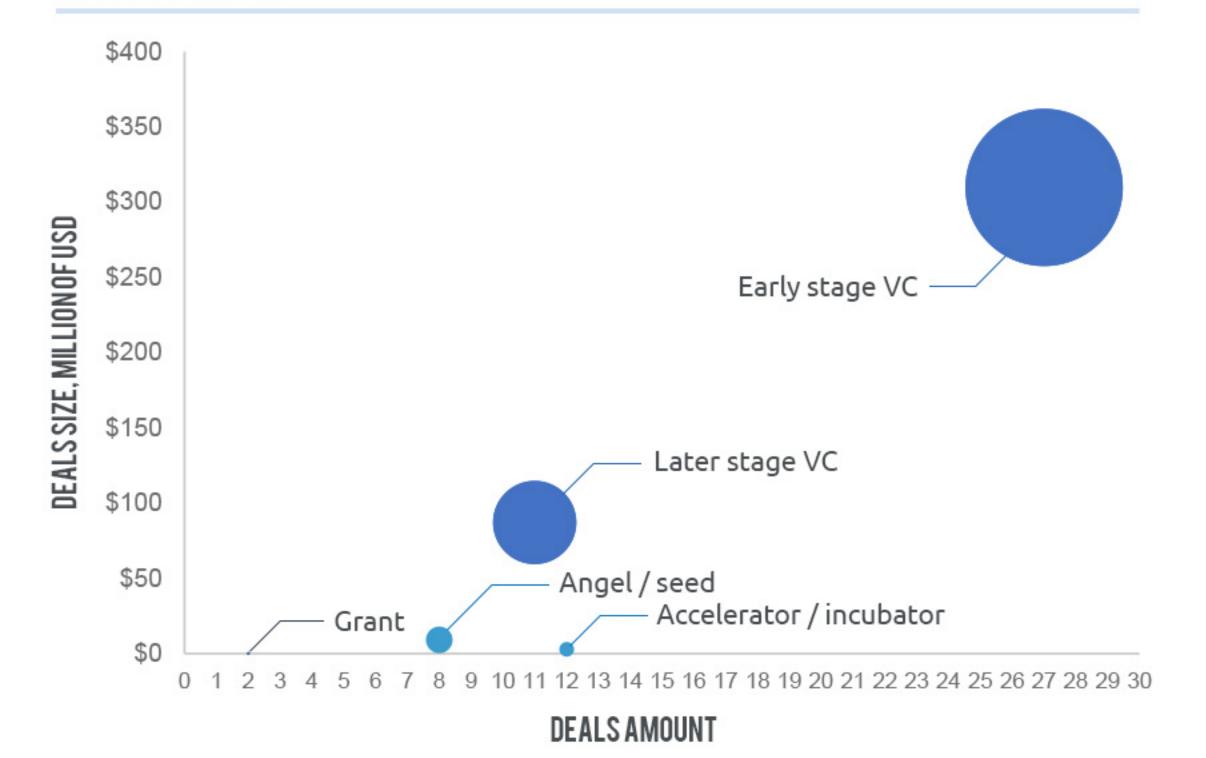
60 Rounds closed

\$409M Total investments

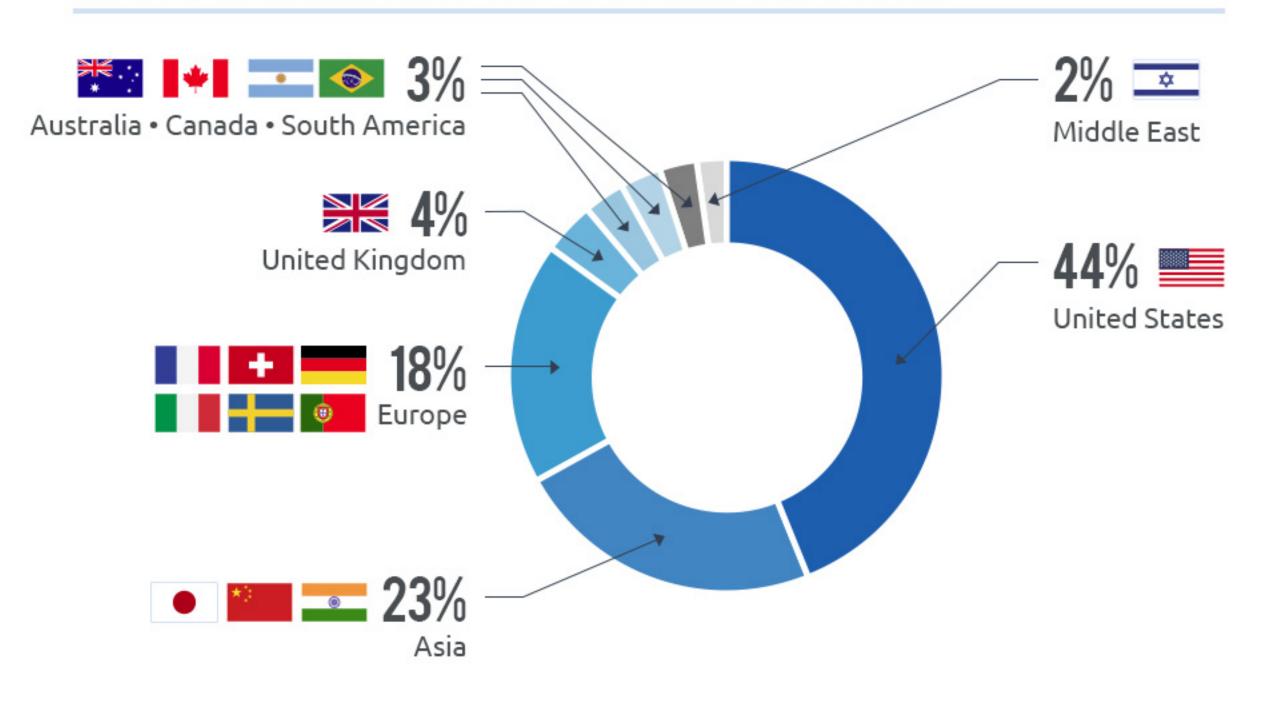
146 Funds participated in funding

~30% Share of investments in projects related to SAR technology

DEAL TYPES



INVESTED COMPANIES BY GEOGRAPHIC AREAS

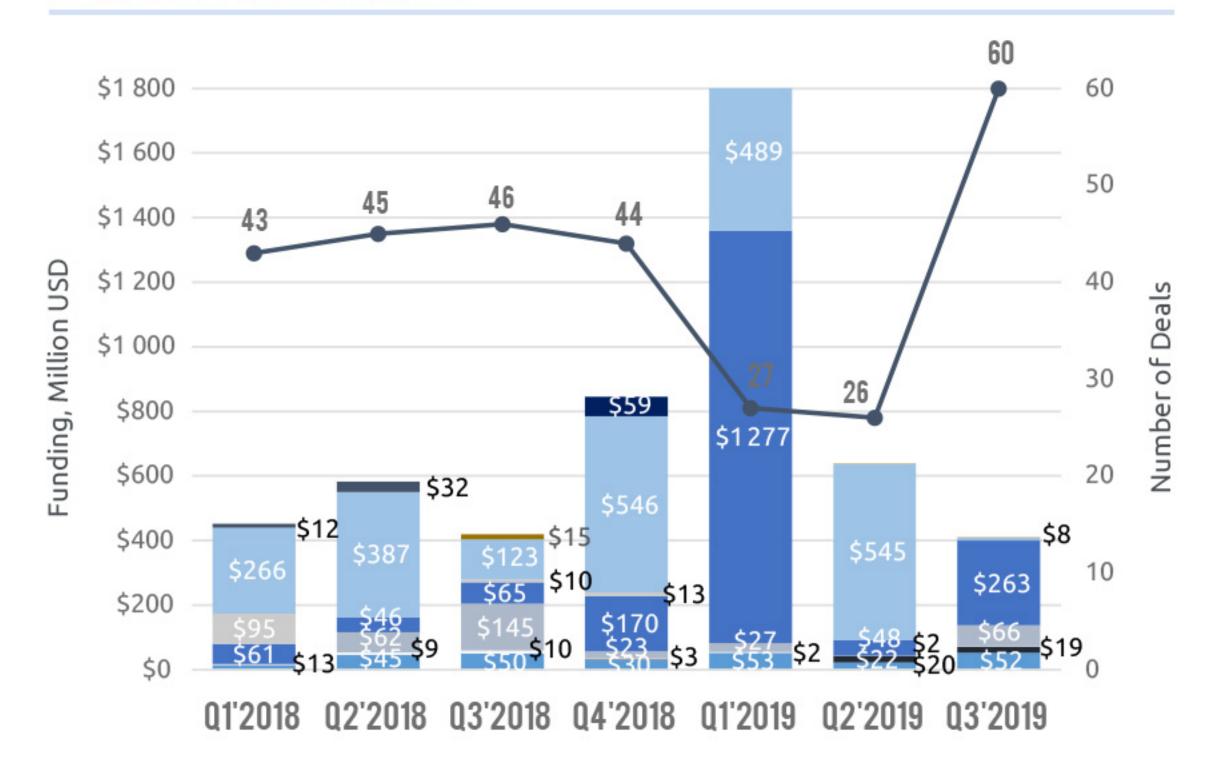


DEALS AMOUNT

DYNAMICS OF VENTURE INVESTMENTS IN SPACE INDUSTRY, Q12018-Q32019



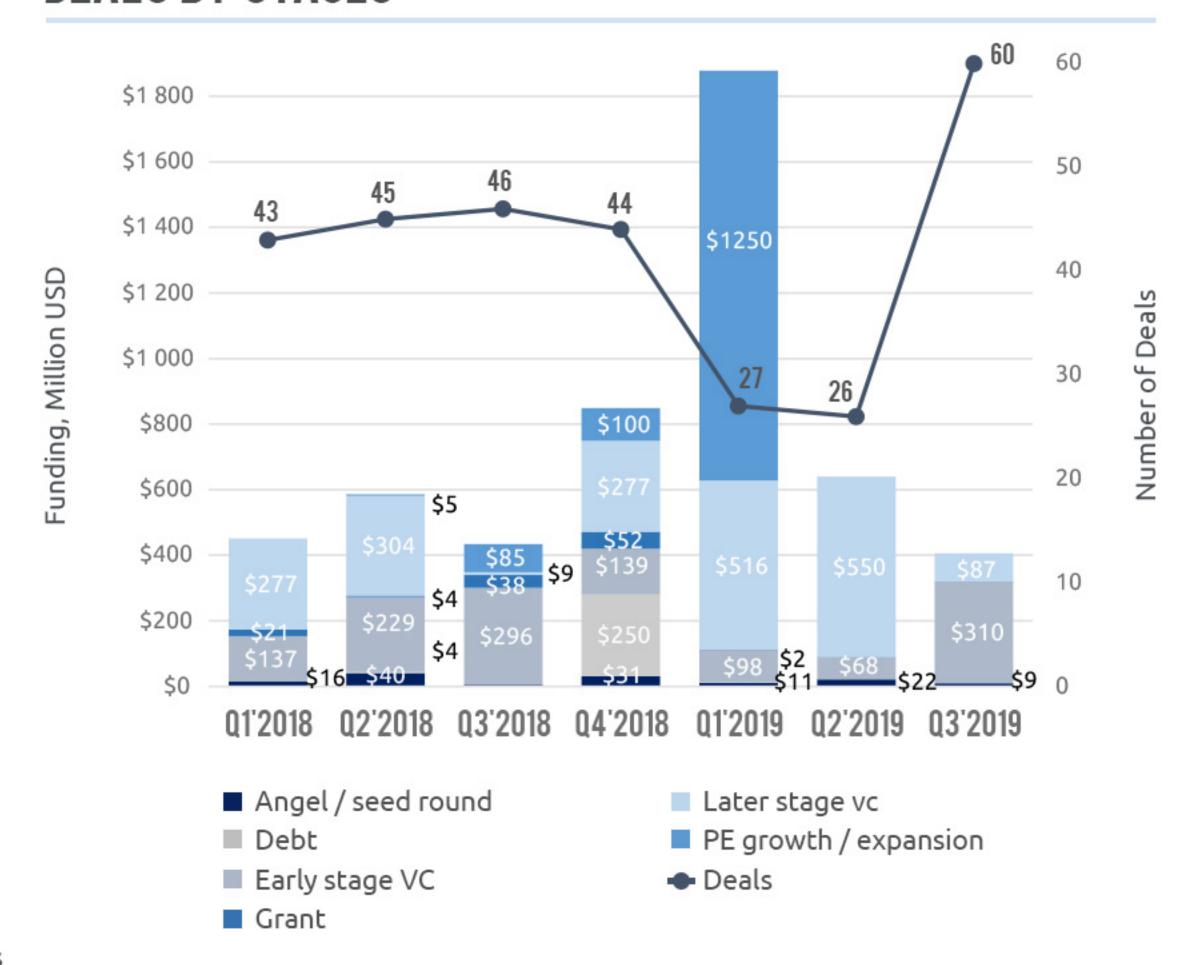
DEALS BY INDUSTRIES



- Rocket engines
- Spaceport operators
- Space exploration & commercialization
- Satellite manufacturing & servicing companies
- Materials & parts suppliers
- Deals

- Space infrastructure & in-orbit services
- Space launch
- Satellite operators & service providers
- Satellite ground equipment & solutions
- Earth observation & geospatial analytics

DEALS BY STAGES



VENTURE INVESTMENTS Q3 2019: LANDSCAPE OF FUNDED PROJECTS



ROCKET ENGINES **MANUFACTURERS**

















MATERIALS & PARTS SUPPLIERS





SPACE ENGINEERING **SERVICES & CONSULTANCY**





SATELLITE MANUFACTURING AND SERVICING COMPANIES





PROPULSION SYSTEMS **PROVIDERS**









SPACE INFRASTRUCTURE AND IN-ORBIT SERVICES













SATELLITE OPERATORS AND SERVICE PROVIDERS























SATELLITE GROUND **EQUIPMENT & SOLUTIONS**





EARTH OBSERVATION & GEOSPATIAL ANALYTICS









































LARGEST DEALS OF Q3 2019 VENTURE INVESTMENTS IN SPACE INDUSTRY





\$100M

The investment will help strengthen the company's SAR satellite development, manufacturing systems, and solutions development



\$70M \$250M Post valuation

This financing capitalizes the company's business plan to include buildout and launch of the HawkEye360 commercial satellite constellation and development of the company's line of RF analytic products by 2021.



\$40M

The funds will be used for further development of analytics productsand expansion into the Asia-Pacific market.



\$25.5M

The investment will accelerate the development of the technology and flight systems, as well as help conduct in-space flight tests and paid customer missions, and for additional flight demonstrations in 2020.



\$18.7M

The investment will accelerate the development of the technology and flight systems, as well as help conduct in-space flight tests and paid customer missions, and for additional flight demonstrations in 2020.



\$18.5M

The round will accelerate the company's industrialization and the commercial deployment of antenna products for communication satellites. The company will also direct the funding toward the introduction of new advanced payloads for the SmallSatmarket as well as continue the expansion of its recently opened offices in the U.S. and Israel



\$15.5M \$65.5M Post valuation

The company is engaged in production of engines, and considers now is the time of 3D printing techniques



\$15.4M

The company has partnered with some SAR satellite operators recently. SAR data is combined with other sources of information to offer new analytical products intended for new industries as well as key energy industry



\$14.5M \$30M Post valuation

Akash will deploy the new capital toward scaling its transmit / receive radio modules and power amplifier business, moving it closer to profitability



\$14M

The company will expand R&D efforts and speed up introduction of its disruptive analytics platform in the agricultural sector worldwide

VENTURE FUNDS TARGETED IN SPACE INDUSTRY



FUND







FOUNDED

2014

2007

2006

ICONIC INVESTMENT







△spire ICEYE

CURRENT FOCUS

Current investment plans are to add to our portfolio various companies from different segments of the space ecosystem:

- 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

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)

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

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



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.

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We are open to cooperation and are currently looking for bus providers and a constellation owner to deploy and monetize the constellation. The constellation (EOS SAR) will be part of a fully US owned and operated commercial remote sensing enterprise.

- Dr. Max Polyakov

https://noosphereventures.com/eos-to-create-its-own-radar-microsatellite-constellation-eos-sar

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