

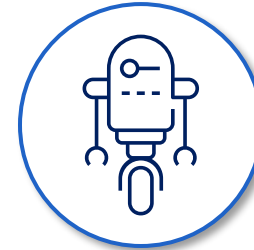
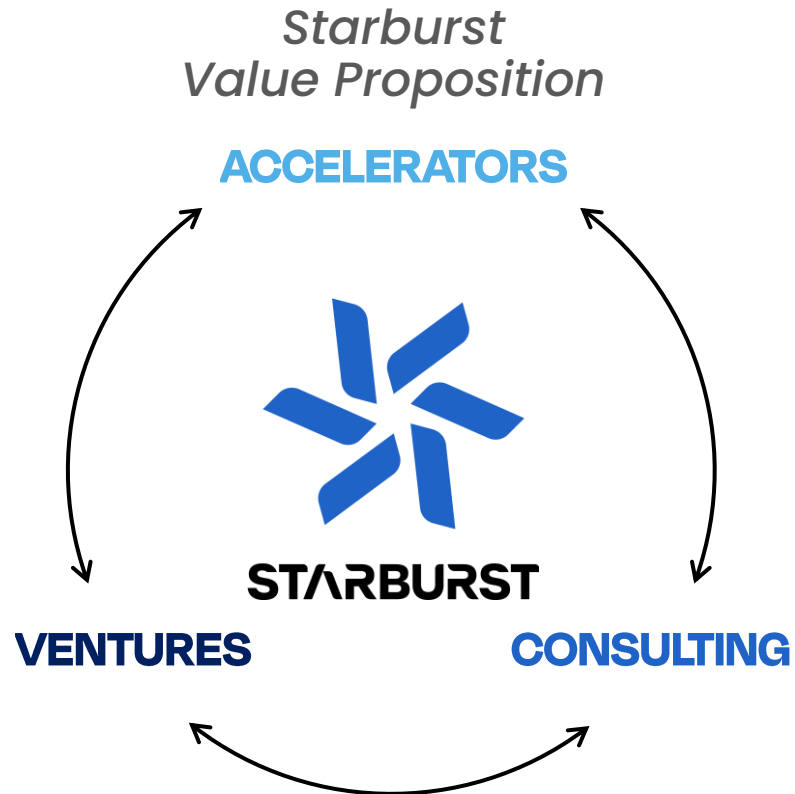


7 lessons from investing in 140 aerospace startups

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Starburst combines three complementary activities to help our clients innovate, navigate and invest in the dynamic ecosystem of aerospace and defense



We explore and investigate emerging trends and technologies



We support growth strategies to open new markets



We accelerate innovation capabilities to unlock untapped value



We activate ecosystems to foster the emergence of new markets

Starburst has built an unparalleled network of A&D innovators across a diverse set of backgrounds, disciplines, and geographies

Starburst by the numbers

80

Starburst Employees

10

Countries

>140

Startups Invested in To-Date

60+

Corporate & Gov. Partners



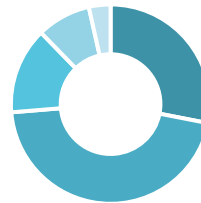
15,000+

Aerospace Startups Identified

1,000+

Investors Identified

Startup Maturity



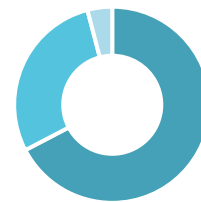
- Pre-Seed
- Seed
- Series A
- Series B+
- Exit in Process

Industry Focus



- Aviation
- Space
- Defense
- Enabling Technologies

Geography



- North America
- Europe
- Rest of World



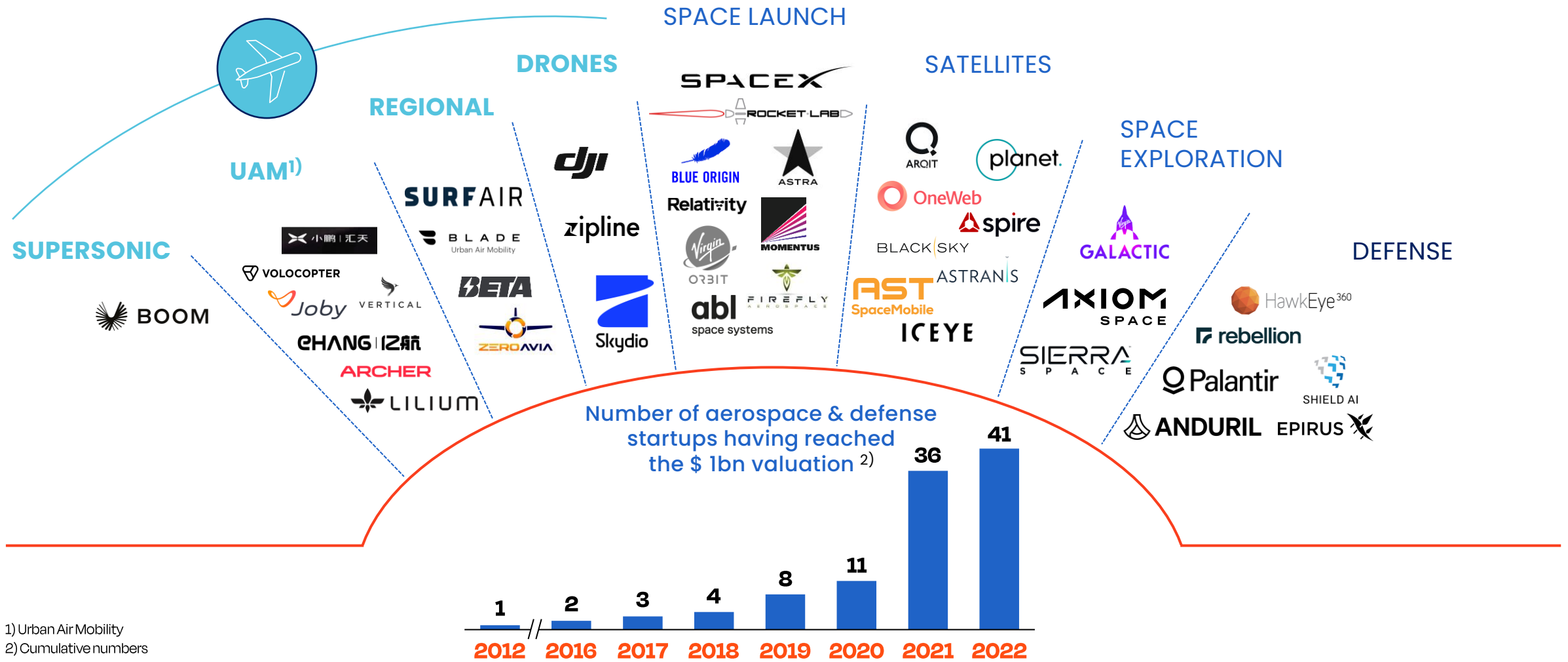
Starburst Aerospace invested in over 140 startups in 7 years

STARBURST Portfolio

2 unicorns



01. Aerospace & Defense has become a true Venture Capital category



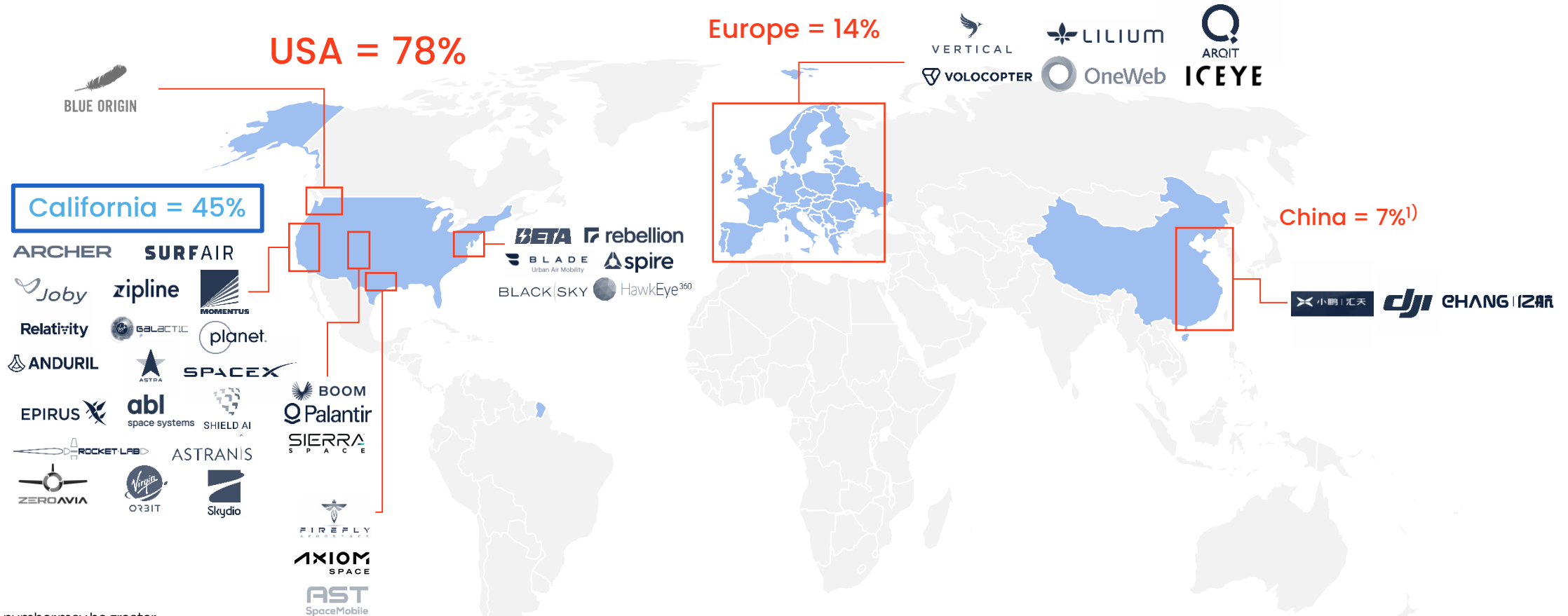
1) Urban Air Mobility
2) Cumulative numbers

Source: Starburst

➤ The sharp increase in the number of aerospace unicorns highlights the overall strong development of the aerospace ecosystem in the past decade

01. Aerospace & Defense has become a true Venture Capital category

Half of the ASD unicorns are located in California



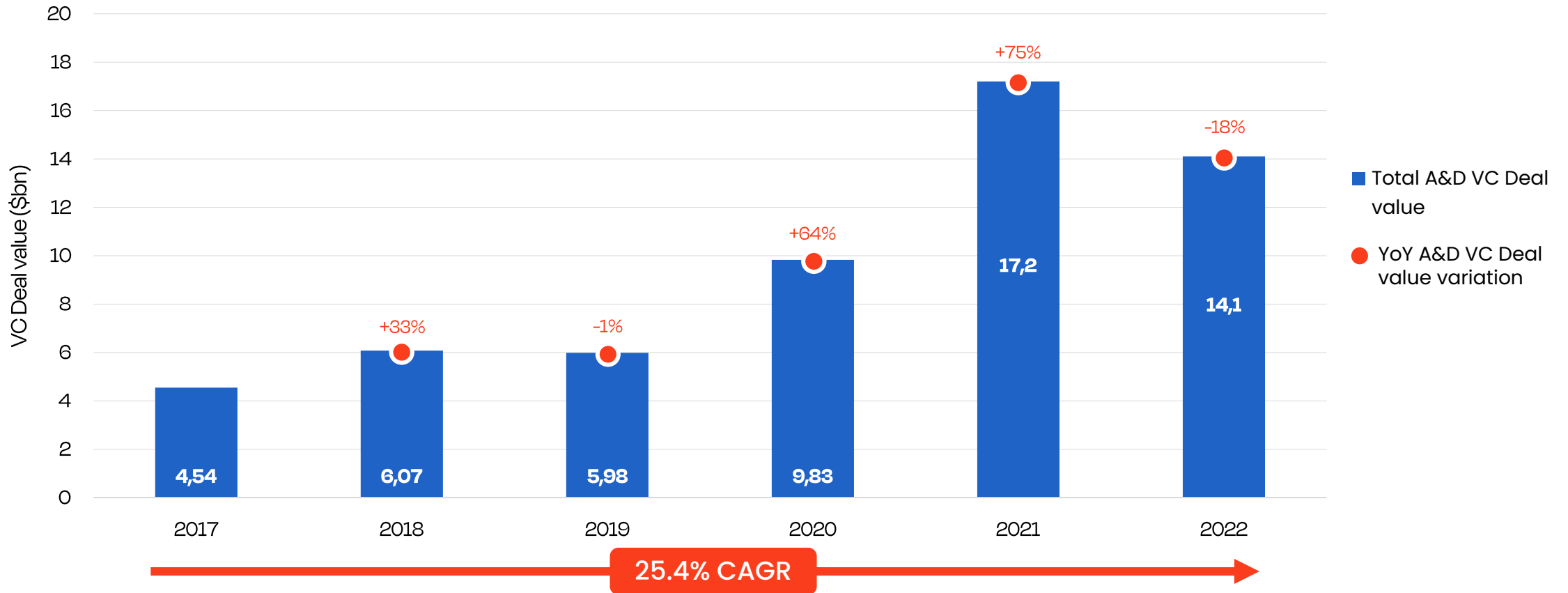
1) This number may be greater due to inaccessible information

Source: Starburst

➤ Aerospace unicorns are found all around the world, but the US ecosystem stands out as the most mature

01. Aerospace & Defense has become a true Venture Capital category

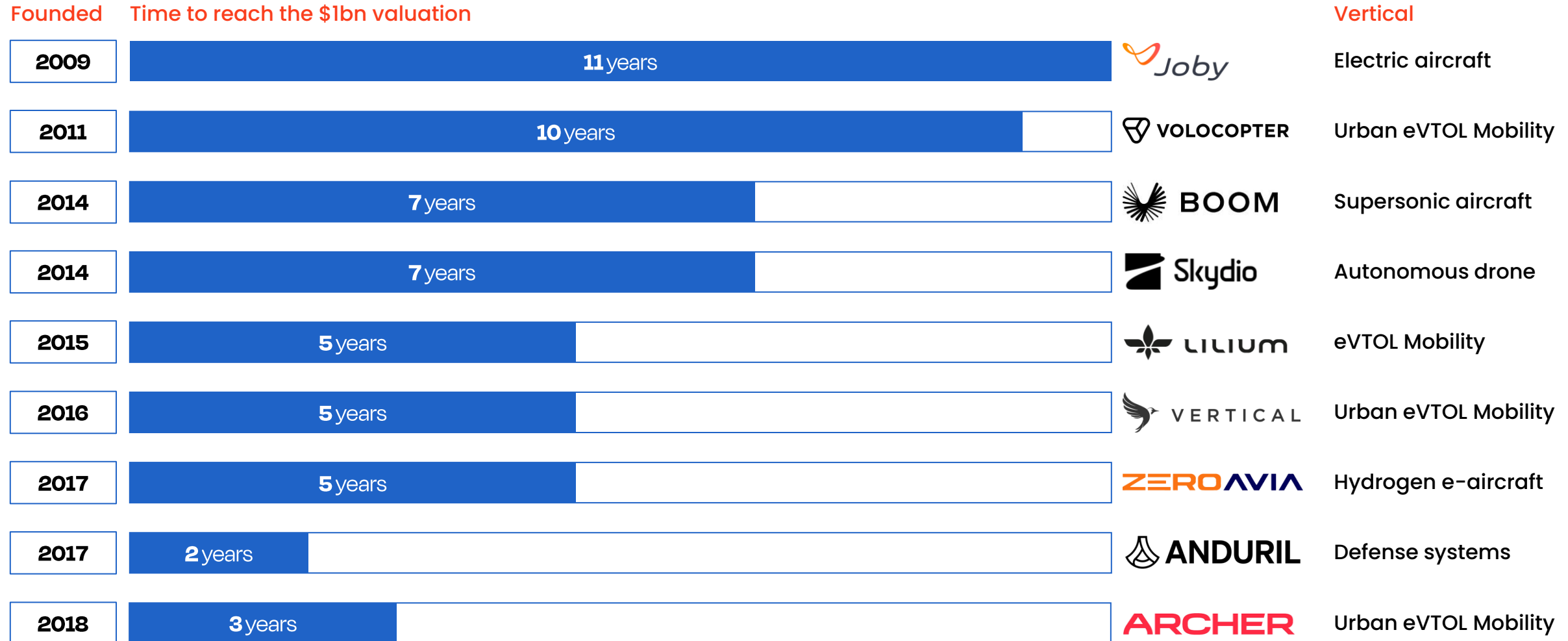
Aerospace and defense VC investment figures



Source: Pitchbook

Since 2017, the sector has witnessed an unprecedented surge in VC investment

02. Aerospace startups' time-to-unicorn has shrunk down by a decade



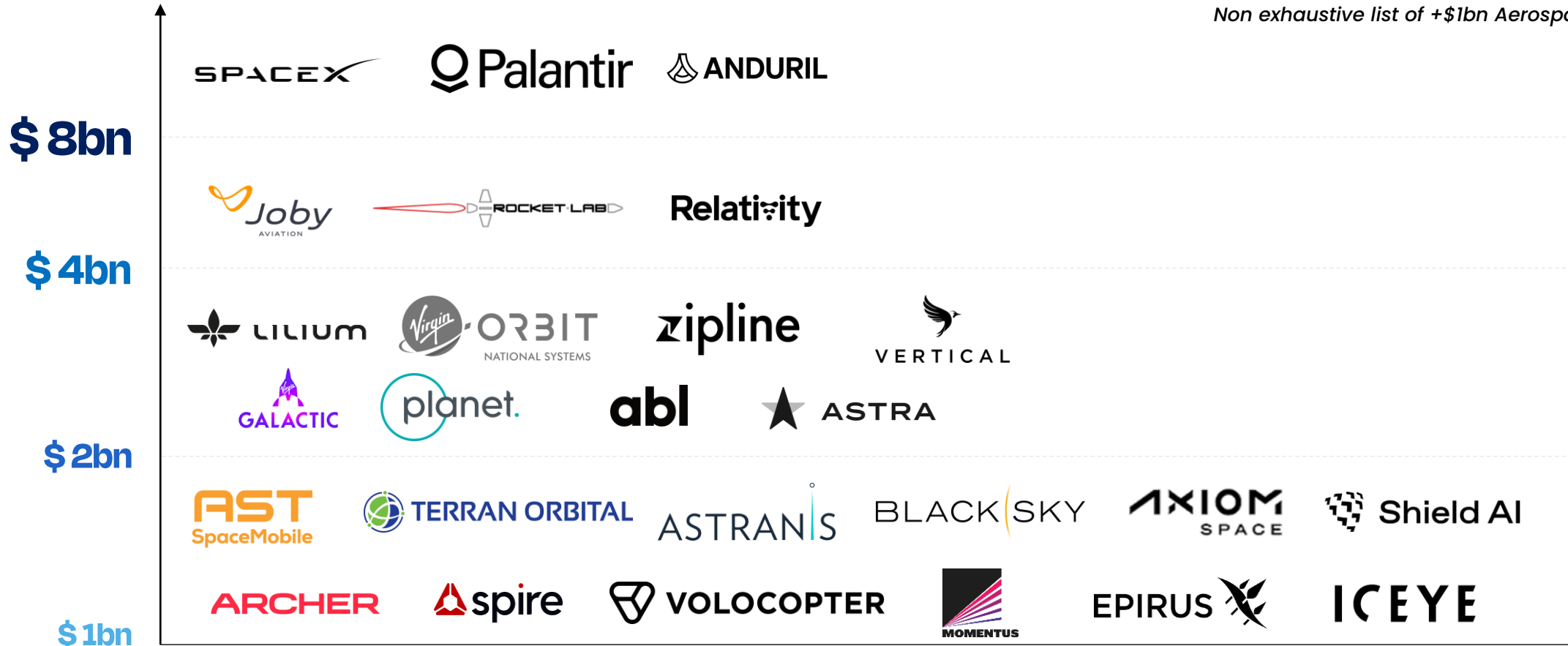
Source: Pitchbook



The time to the \$1bn valuation mark for aerospace startups has dropped below 5 years, making this sector **ideal for venture capital investing**, with very high potential upsides

03. Aerospace startups keep growing way beyond the \$1bn threshold

Non exhaustive list of +\$1bn Aerospace startups



After crossing the \$1bn threshold, multiple aerospace startups are growing into major aerospace players through contracts and product development, driving their valuations to the heights of industry majors

04. Successful aerospace founders are generally serial entrepreneurs



Blake Scholl



Former founder of Kima LABS, INC.



Joe Ben Bevirt



Former founder of JOBY



Palmer Luckey



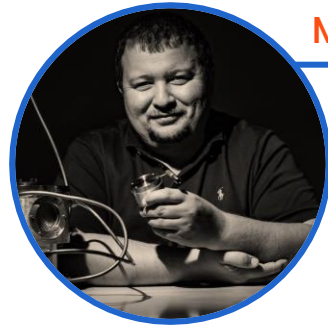
Former founder of oculus



Marc Piette



Former co-founder of Locu



Mikhail Kokorich



Former founder of ASTRO DIGITAL and ExactFarming



Stephen Fitzpatrick



Former founder of JVC



Brett Adcock



Former founder of Vettery



Val Miftakhov



Former founder of eMotorWerks



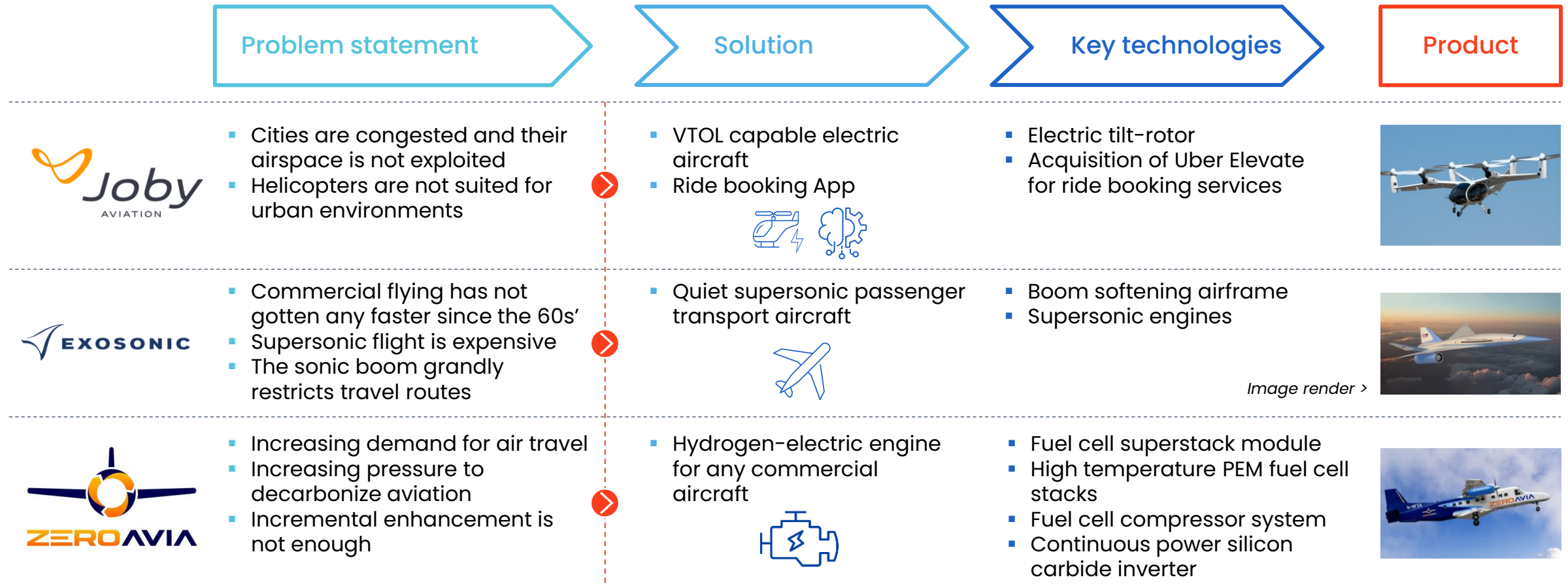
Ryan Tseng



Former founder of WiPower

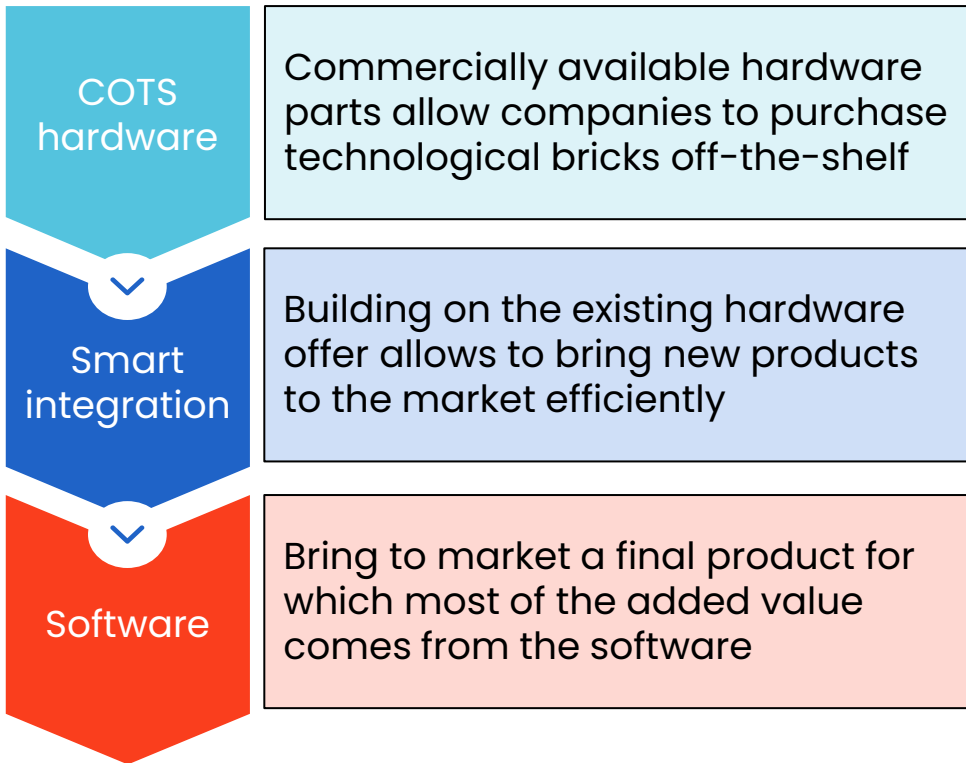
➤ Beyond billionaire founders, many serial entrepreneurs are successfully leveraging their experience to build A&D startups

05. Successful entrepreneurs focus on solving a problem, more than developing a disruptive technology



Successful aerospace startups are driven by market pull more than techno push

06. Success often relies on a startup's ability to develop software on top of its "commodity" hardware



Airframe: existing aircraft (Cessna Caravan)
Sensors: use of COTS electro-optical and infrared cameras

Aircraft equipped with underwing sensor pods (FAA certification pending)

"Superpilot":
Plug-in software flying an aircraft autonomously with flight optimization and emergency response capabilities

Hardware: COTS drones, existing military equipment



"Lattice OS":
Core AI-powered C3ISR, autonomous sensemaking and command & control platform

Hardware: solar panels and batteries, satcom equipment, 3G/4G/5G cells, radio, 128-Core NVIDIA GPU, ...






Lander: long duration deployable sensor platform
Helios: mobile comms and sensor platform

API:
Unified data integration platform connecting fragmented sensors, cameras and autonomous systems

➤ Accessible hardware with satisfactory technical performance allows startups to focus on the development of disruptive software capabilities and hence address new markets

07. Startups supported by ecosystem builders like Starburst are more successful in navigating the hurdles of the A&D industry


Inherent challenges

- Aerospace legacy corporate market position 
- Limited number of buyers all over the world 
- High product development cost 
- Extended product development time 
- Difficulty to scale Deeptech products 

Network & ecosystem support

- Deep pocket investor supporting aerospace timeline and CAPEX requirements
- Access to a large network of potential clients, especially within government
- Advisory for key decisions
- Network effect for hiring, connecting to potential suppliers, ...

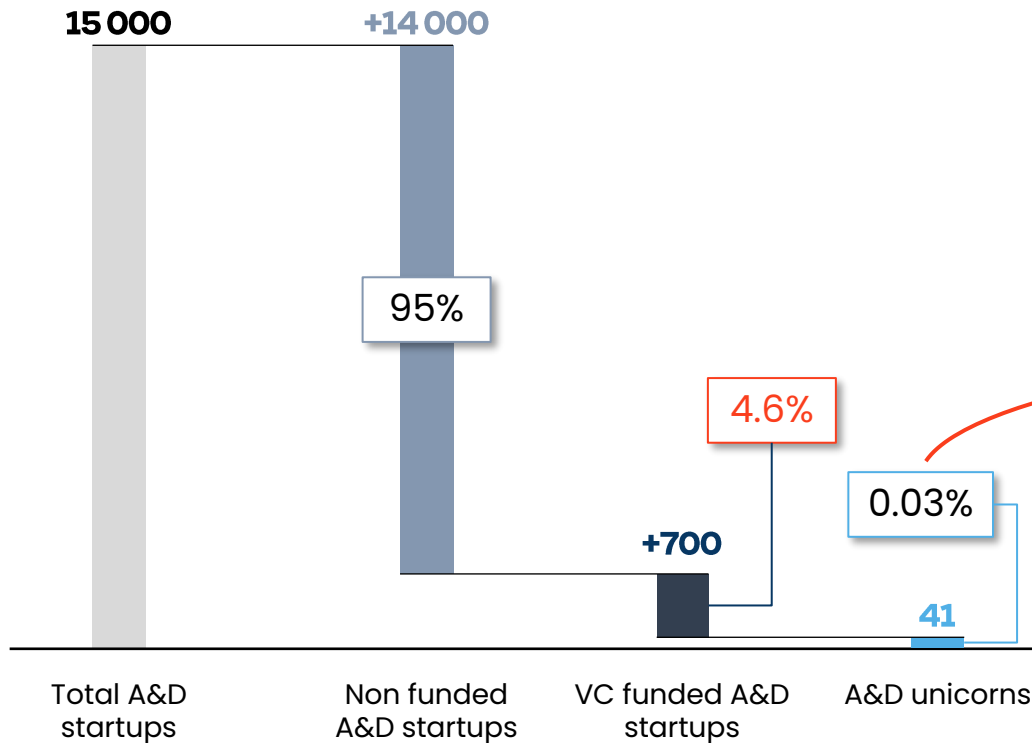
Higher success probability



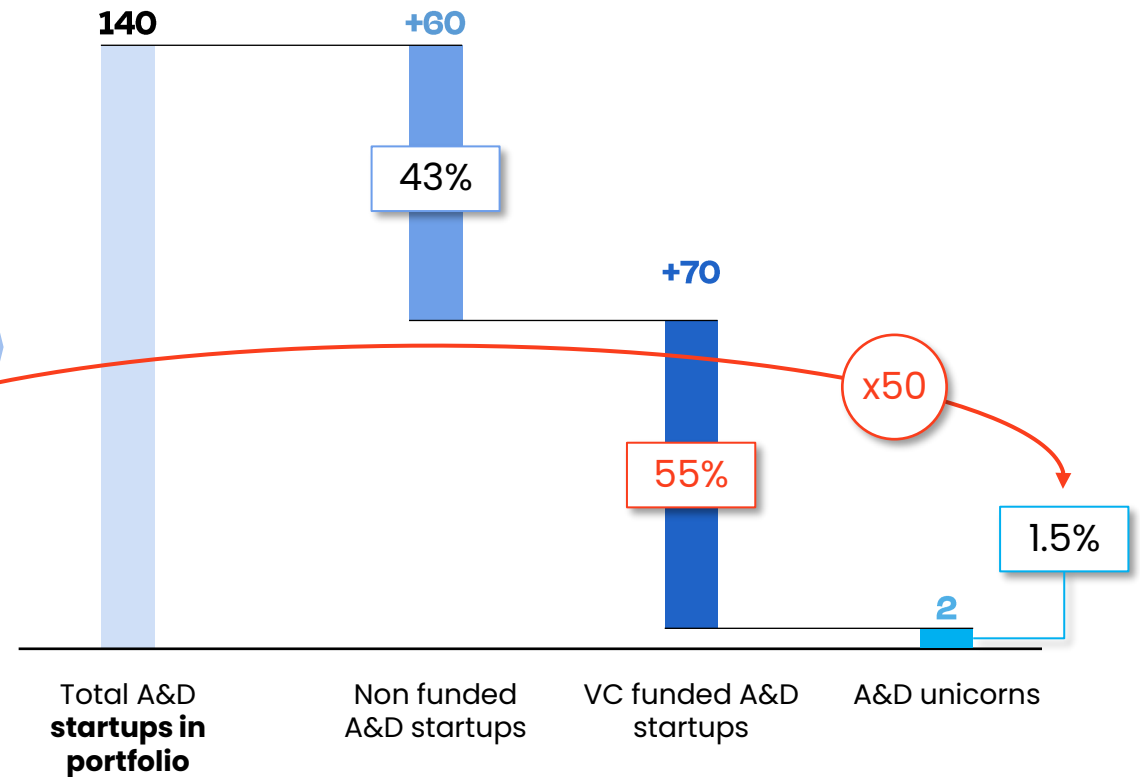
 A strong network can help startups leverage ecosystem support, access venture and growth funds and help across all the operational aspects

07. Startups supported by ecosystem builders like Starburst are more successful in navigating the hurdles of the A&D industry

Aerospace and defense startups evolution metrics



STARBURST startups evolution metrics



Sources : Crunchbase, Starburst desk research

➤ **Aerospace startups fundraising difficulties prove how challenging the ecosystem is and highlight the value that can be provided by a strong network and community**



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