

European Deep Tech – Opportunities and Discoveries

An investment perspective

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A | Deep Tech innovations offer solutions to profound societal challenges

What is Deep Tech and why should you be interested in it?

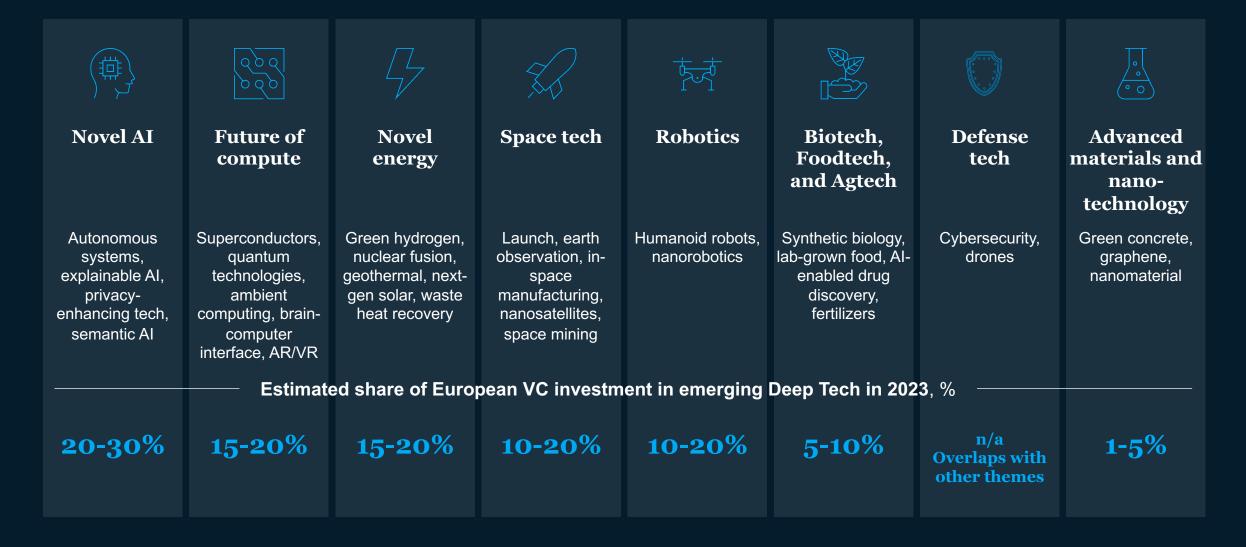
Deep Tech represents novel scientific/ engineering breakthroughs or advanced technology used to address novel customer needs

These innovations offer solutions to profound societal challenges



Strong purpose, often tackling humanity's major problems (e.g., climate change) Often global scope necessary for globally distributed niche markets Different venture life cycles, including higher R&D intensity in early phases and higher technical risks compared to traditional ventures Often include technical profiles with roots in academia or corporate R&D, and ideally combining tech and business talent Often higher up-front investment requirements from large, often specialized investors

Deep Tech can be classified into 8 investment themes – all with recent technological breakthroughs

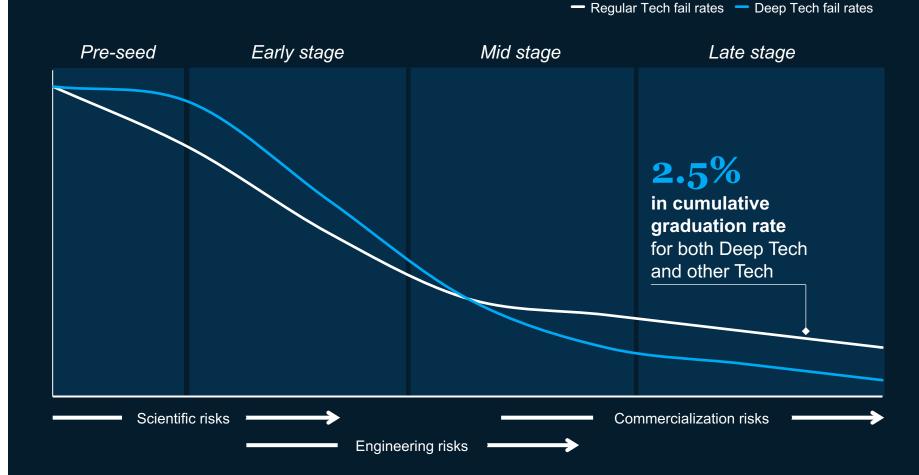


B | 4 misconceptions about Deep Tech

4 misconceptions about Deep Tech

1

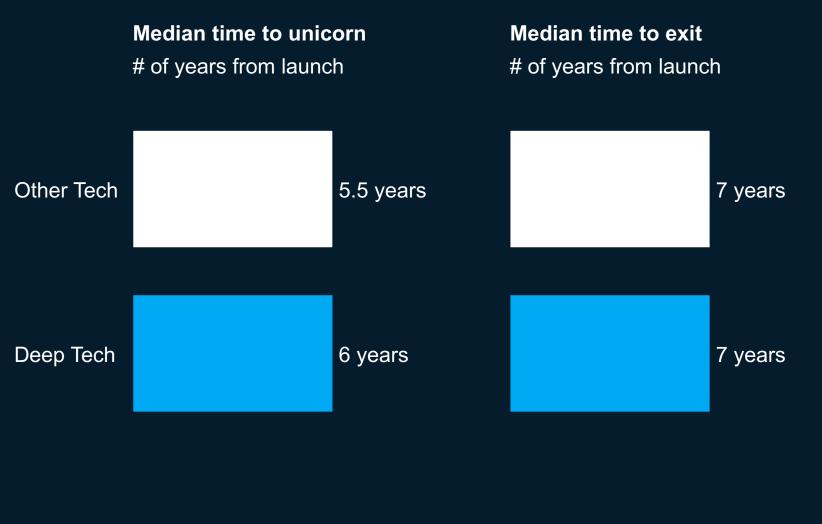
Deep Tech start-ups have higher risks than traditional tech start-ups Deep Tech is gradually de-risked over time resulting in similar failure and graduation rate as other tech startups



4 misconceptions about Deep Tech

2

Deep Tech life cycles are slower and have longer exit timelines Start-ups' time to unicorn and time to exit is on par with other tech

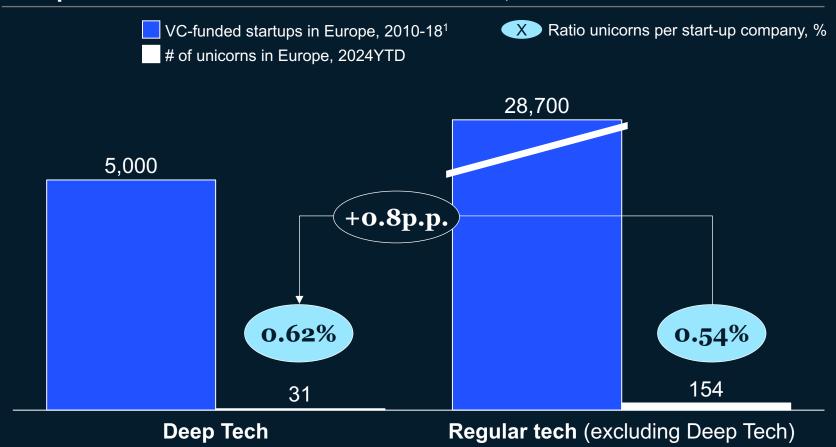


4 misconceptions about Deep Tech

Deep Tech start-ups cannot scale to the same degree as other tech start-ups

Deep Tech start-ups more likely to scale to unicorn

European VC-funded ventures and unicorns, #

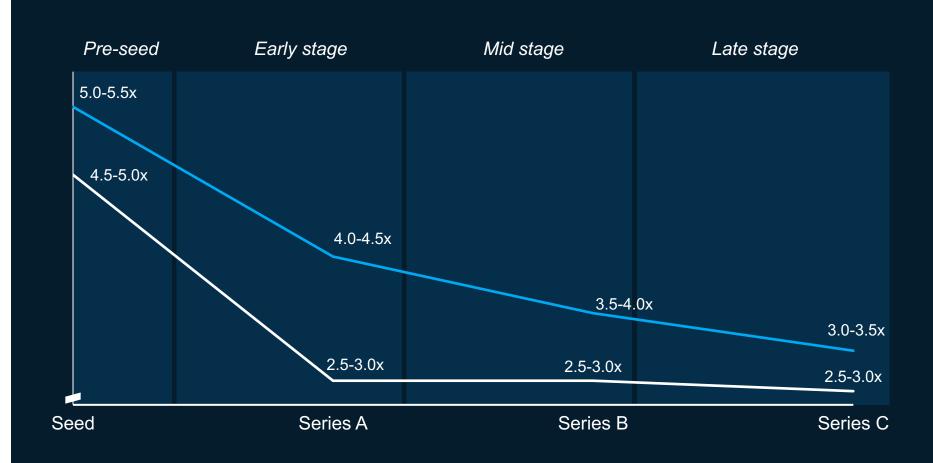


4 misconceptions about Deep Tech

4 **Deep Tech** start-ups have lower capital efficiency than other tech start-ups

Deep Tech has greater capital efficiency

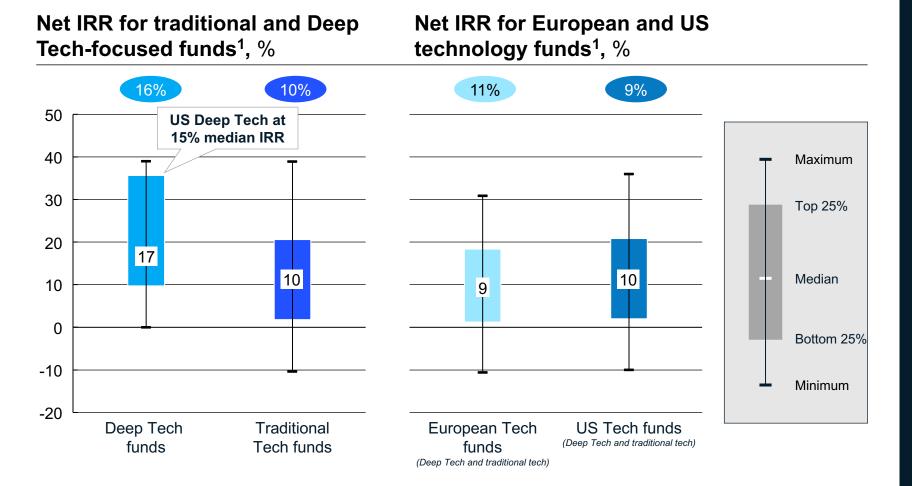
Deep Tech ventures
Regular tech ventures



Source: "The European Deep Tech Report 2023" by Lakestar, Walden Catalyst, and Dealroom.co, Dealroom database (retrieved March 4, 2024), Pitchbook

C | First numbers suggest that European Deep Tech will likely generate outsize returns

VC funds investing in Deep Tech deliver an average net IRR above traditional tech funds



% Average net IRR, weighted²

Clear trend with Deep Techfocused funds having outperformed traditional tech funds since 2003 (16% weighted net IRR vs. 10%)

While Europe has not seen many Deep Tech-focused funds closing and reporting IRR, the expected performance should be in line with US-based benchmarks historically, driven by A) similarly attractive regional characteristics for Deep Tech, and B) similar net IRR performance for the broader tech funds

1. Based on 115 Deep Tech-focused funds and 1,572 traditional funds in Europe and North America, with vintage/inception year between 2003 and 2020

2. Calculated by weighting each fund's Net IRR with its final fund closing size, i.e., large funds have more impact on the weighted IRR than small funds

Source: Preqin database (self-reported data on net IRR)

D | European Deep Tech is at an inflection point

European Deep Tech is increasingly gaining relevance, both regionally and globally

European Deep Tech share of global Deep Tech funding +18%

European Deep Tech share of European Tech funding

Deep Tech has shown remarkable resilience in the overall VC tech downturn during the last 24 months

-3%

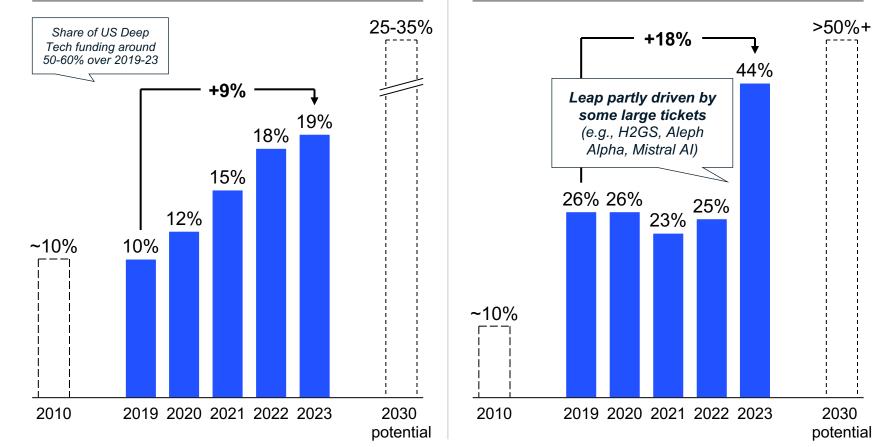
Europe Deep Tech VC funding -45%

US Deep Tech VC funding

Europe is increasingly gaining global relevance in Deep Tech

Global perspective

European share of global Deep Tech funding, %



Regional perspective

European share of European tech funding, %

European Deep Tech is increasingly gaining relevance, both globally and regionally

Globally: European share of global Deep Tech funding has grown from ~10% in 2019 to 19% in 2023, and is set to increase further

Regionally: Deep Tech funding is becoming a larger part of overall European VC tech funding, having grown from ~10% of regular tech funding in 2010 to 44% in 2023

Source: "The European Deep Tech Report 2023" by Lakestar, Walden Catalyst, and Dealroom.co; Dealroom.co; McKinsey

E | European investors have a significant opportunity they could further capitalize on

European investors are falling short in scaling and exiting European Deep Tech ...

~40%

Of growth capital (Series C+) is from non-European investors

~60%

Of top acquirers are non-European corporates

~0.2X

Growth investments per capita

~0.5X

IPO value per year compared to US

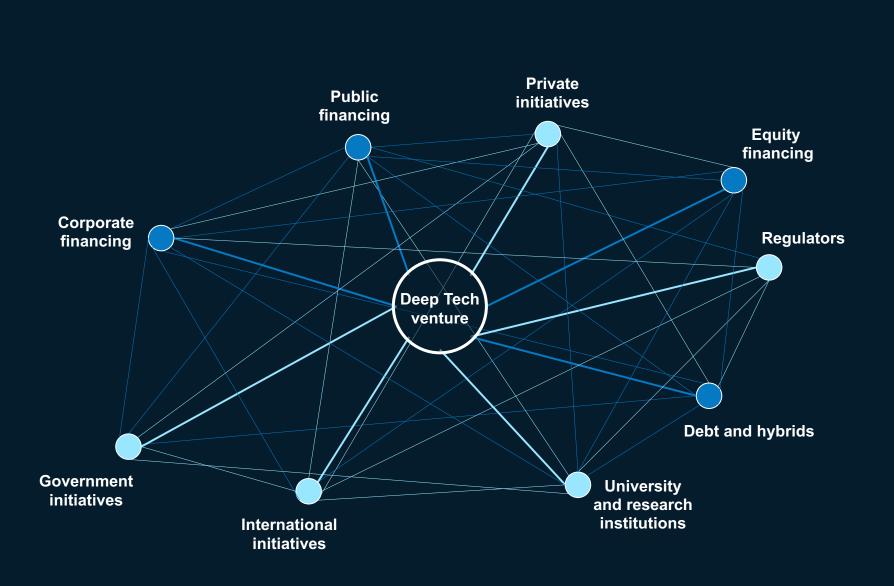
... despite excellent regional fundamental capabilities

Figures refer to the delta vs. US

Commercialization phase: By investing in early-stage ventures that have promising technologies but lack the resources to commercialize them, VCs can help bridge the funding gap and bring innovations to the market

| | Fundamental capabilities | | Early-stage ventures | Scaling-stage ventures | Exit opportunities |
|-----------------------------|-------------------------------------|-------------------------------------|---|---|--|
| European Competitiveness | ~0.8x | ~1X | ~0.7x | ~0.8x | ~0.5x |
| Competitiveness | R&D expenses compared to US | Manufacturing output | # of world-class patents overall | Tech unicorns per capita | IPO value per year compared to US |
| | ~1.1X | ~1.4X | ~0.5X | ~0.2X | |
| | Science publications compared to US | Absolute number of developers to US | Entrepreneurship ratio | Growth investments per capita | |
| European Sovereignty | | | ~10% | ~40% | ~60% |
| | | | Of early-stage capital (Seed/Series A) is from non-European investors | Of growth capital (Series C+) is from non- European investors | Of top acquirers are non-European corporates |
| | | | | | <i>Exit game:</i> The biggest winners of European innovation are global corporates and investors |

European Deel Tech need a collective effort from all actors in the ecosystem



Funding

Enabler

McKinsey & Company