

TUM Venture Labs

A springboard for deep tech entrepreneurship.

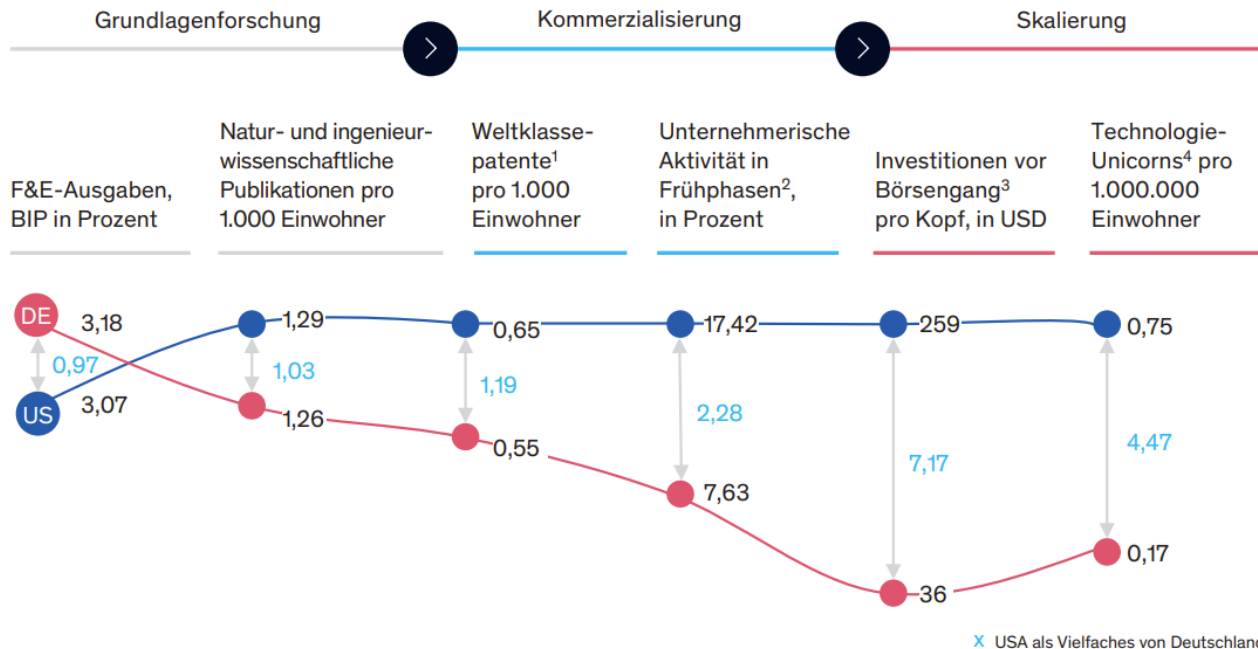
Munich 2024

A joint initiative by

01

Dispelling Myths: The Entrepreneurial Scientist

Deutschland bleibt stark in der Grundlagenforschung, aber schwach in Kommerzialisierung und Skalierung



¹ Berücksichtigt die besten 10% aller Patente innerhalb einer definierten Technologie, basierend auf der Qualität von Patenten, gemessen an ihrer Marktabdeckung und technologischen Relevanz (58 Schlüsseltechnologien wurden identifiziert)

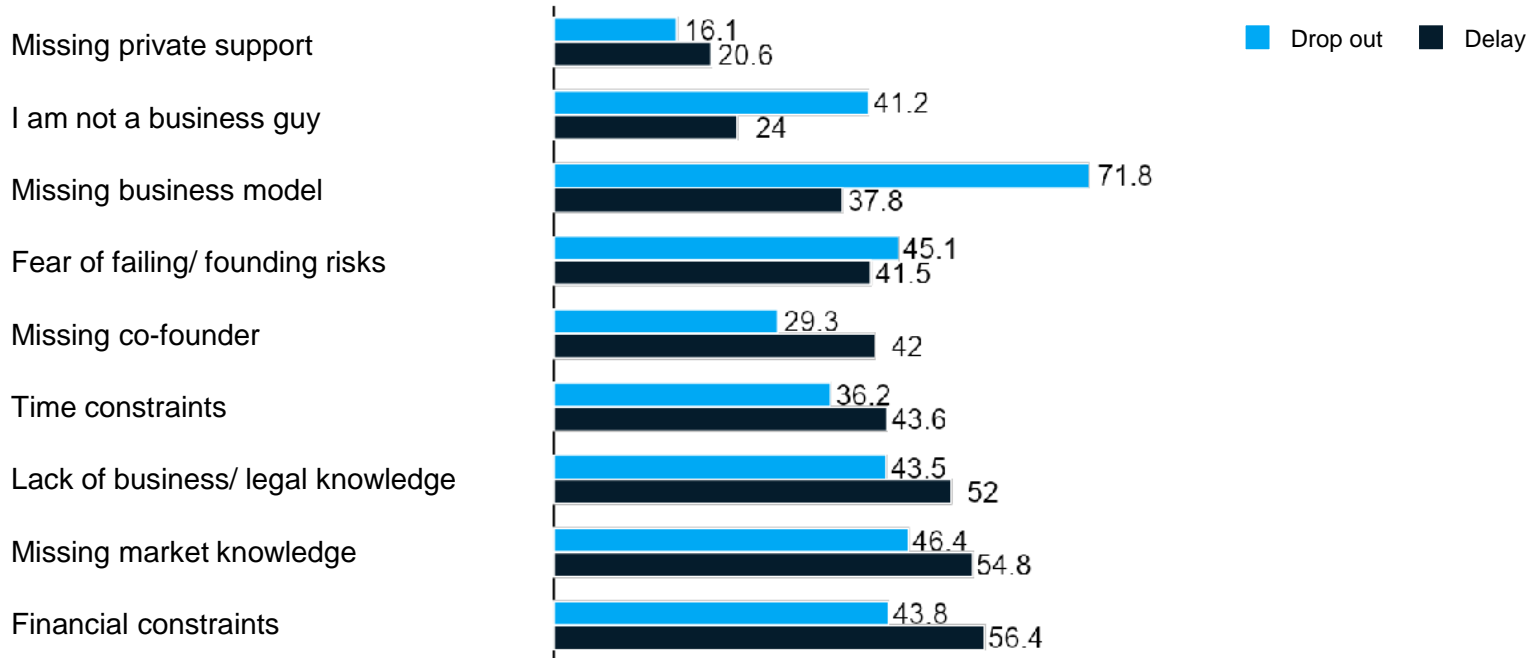
² Anteil der Bevölkerung zwischen 18 und 64 Jahre, der entweder als aufsteigende Unternehmer:in aktiv oder in der Geschäftsführung eines neu gegründeten Unternehmens ist

³ Veröffentlichte Investitionen in nicht börsennotierten Unternehmen 2017

⁴ Start-ups mit einer Unternehmensbewertung von >1 Mrd. USD, die in digitalen Geschäftsmodellen in den Bereichen B2B oder B2C auf Internet, Software oder Hardware tätig sind (in dieser Definition sind z.B. sowohl Advanced-Analytics-, Ad-Tech-Unternehmen als auch Halbleiterhersteller eingeschlossen)

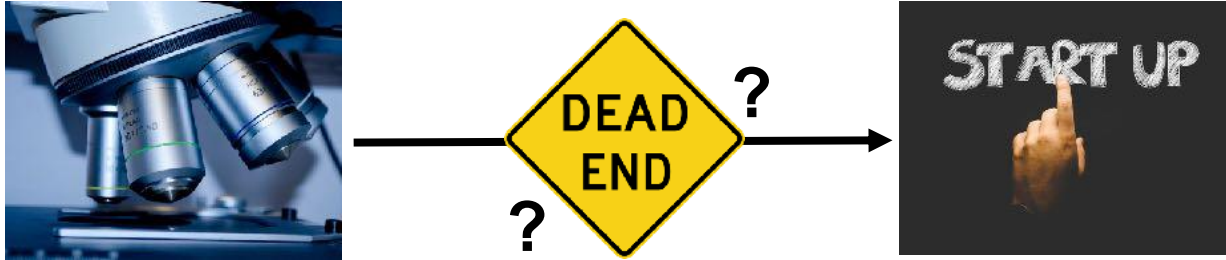
What keeps scientists from founding?

Reasons for scientists to drop out or delay company foundation, in % (multiple selection possible)

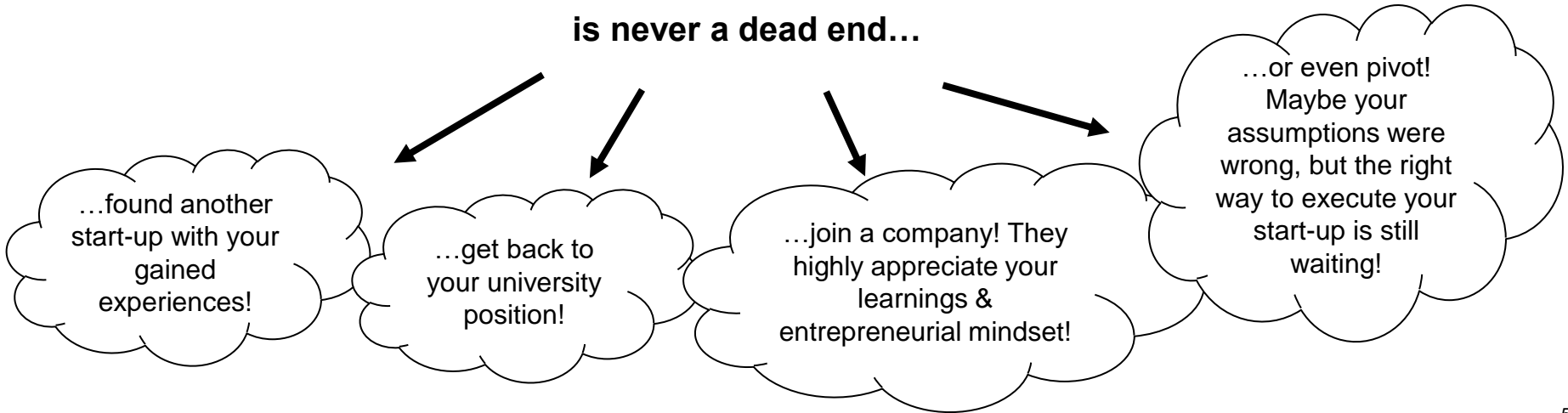


Founding & failing - not a dead end...

Founding as a Scientist/ Postdoc...



is never a dead end...



Overview
TUMentrepneurship
Services &
UnternehmerTUM

The Start Up Ecosystem



TUMentreprneurship

- Start-up Consulting
- IP Consulting
- Competitions & Events
- International Programs
- Incubator
- Mentoring

TUM Entrepreneurship Research Institute

- Entrepreneurship research and education, combined with practice IDPs.



domain-specific support by 12 TUM Venture Labs

- Focus on technological trends
- Domain-focused entrepreneurial network
- Scientific & Expert Coaching
- Office Space, Labs, Infrastructure
- Connection to domain specific leading companies/experts



Programs for founders, prototype labs, VC

- Education/ Training
- Pre-Incubation & Incubation Programs
- High-tech workshop Makerspace
- Venture Capital Fonds

TUM Start-up Consulting at a Glance



Requirements for the consultation

- At least one of the founders has a **connection to TUM** (students, alumni, employees, scientists)
- The start-up project is **not yet incorporated**
- **Technology-based** start-up project



Service offerings of TUM Start-up Consulting

- **Individual and needs-based support** for start-up teams from the validation of the business idea to the preparation of the market entry
- **Networking** within the ecosystem
- Support and assistance in **securing financing**



Business activities of network partners

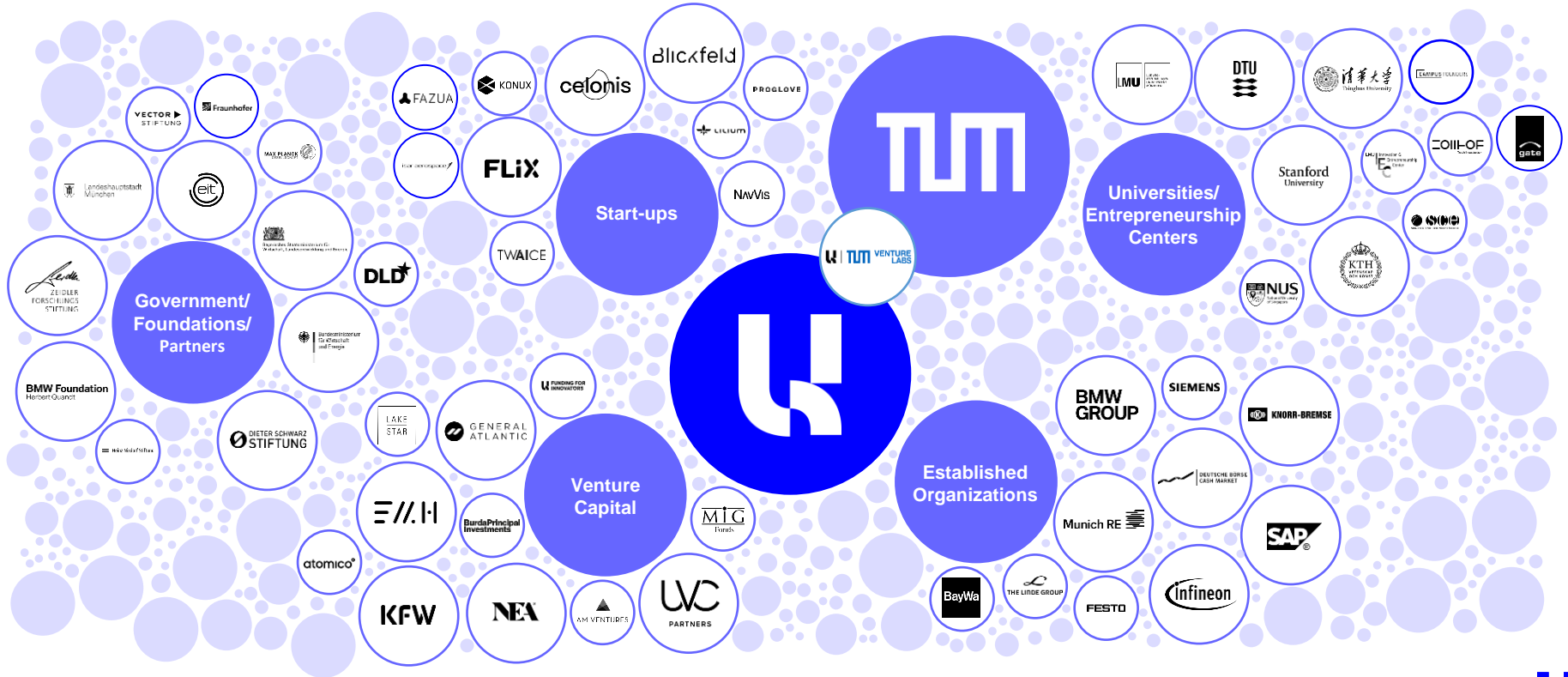
- **TUM Incubator** as a founder-friendly workspace
- **UnternehmerTUM** qualification formats in pre-seed, seed and start-up phase
- **Venture Labs** Domain specific support



**UNTER
NEHMER
TUM**

**WE TURN VISIONS
INTO VALUE**

We Bring Together a Community that Creates Value for Good



Bringing Innovation Forward

Our programs and initiatives

Entrepreneurship Education



Start-up Programs



Innovation for Companies



High-Tech Ecosystem



Smart Capital



Our joint ventures



Our collaborations



Overview

TUM Venture Labs & Dedicated Scientist Programs

The **TUM Venture Labs** are a springboard for aspiring **entrepreneurs in deep tech and life sciences**.

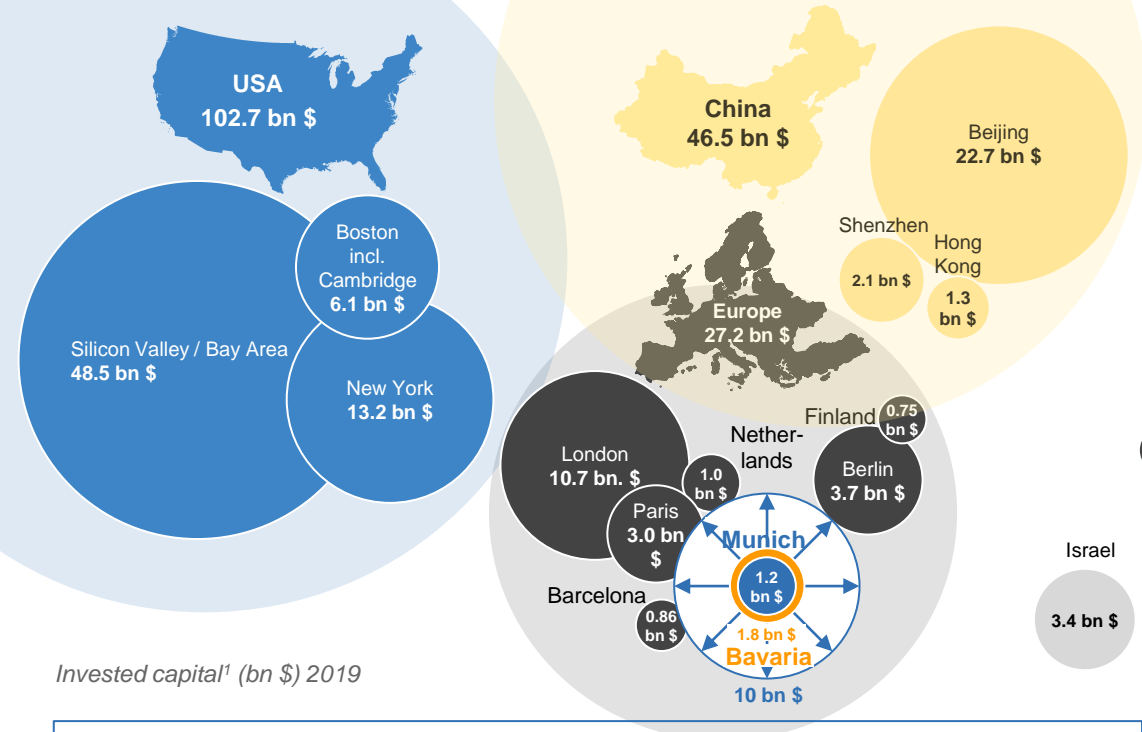
They are a joint initiative by **TUM**, the top-ranked university in the EU, and **UnternehmerTUM**, Europe's leading entrepreneurship center.

Leveraging the **unique ecosystem**, the goal is to increase the quality and quantity of **scalable technology spin-offs** and ventures **by a factor of ten**.

The resulting **leading technology hub in Europe** aims to become a driving force for the **future technological sovereignty of the continent**.



Ambition: Establish a European deep tech hub



Invested capital¹ (bn \$) 2019

Key problem for Germany/EU identified: Venturing is the bottleneck when leveraging outstanding research for economic growth

Reaching full potential to make Munich **the entrepreneurial tech center in Europe** and a critical hub for European technological sovereignty.

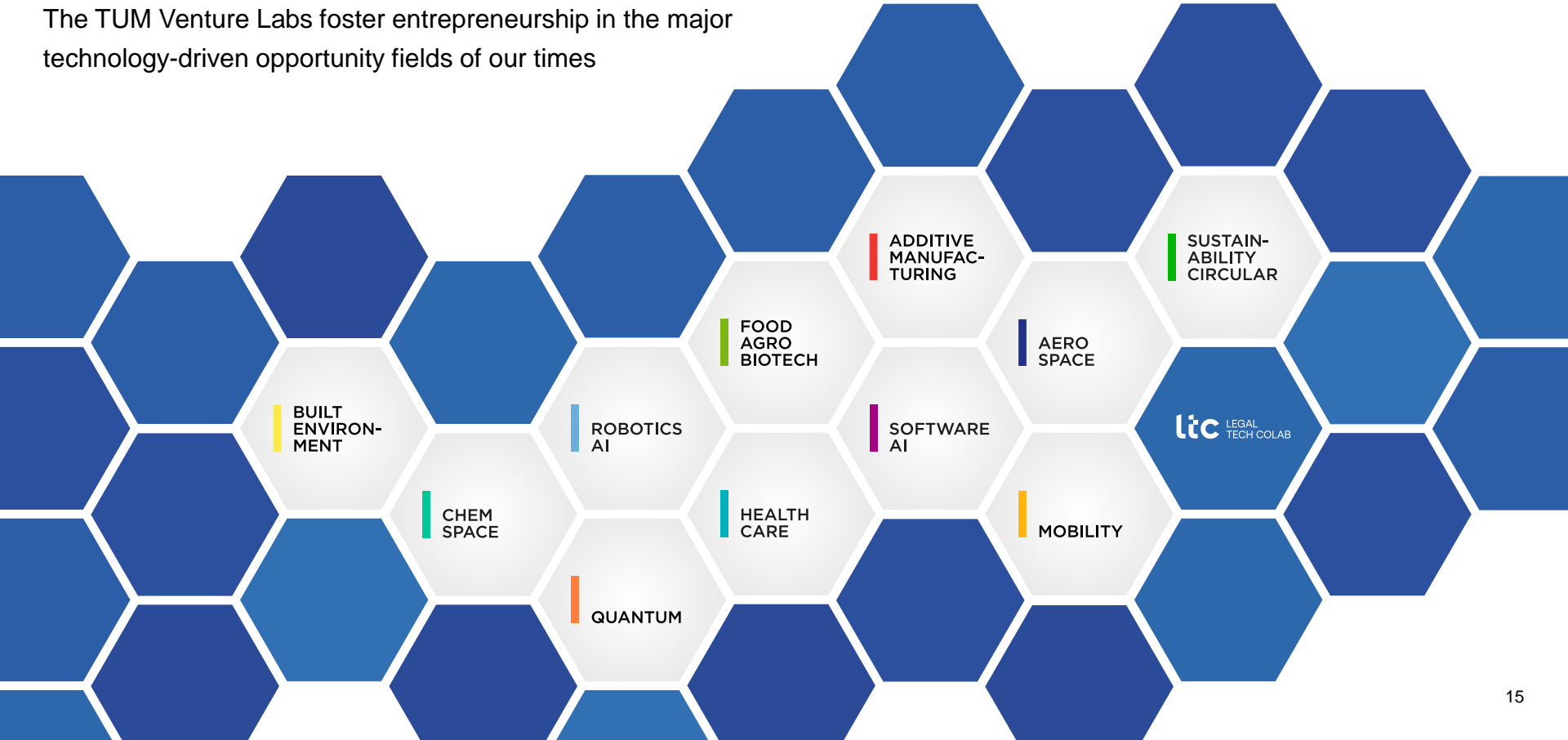
	2020	2030
€ Invested capital/year	1 bn \$	10 bn \$
New employment/year	1,000	10,000
Scalable spin-offs/year	75	250
Priority patent applications	50	500
Corporate partners	100	500
VL talent/year	5,000	25,000

Source: Crunchbase/EY, BCG Analysis

1. Invested capital includes seed, series and angel investment, no IPO or post-IPO Funding

Welcome to TUM Venture Labs

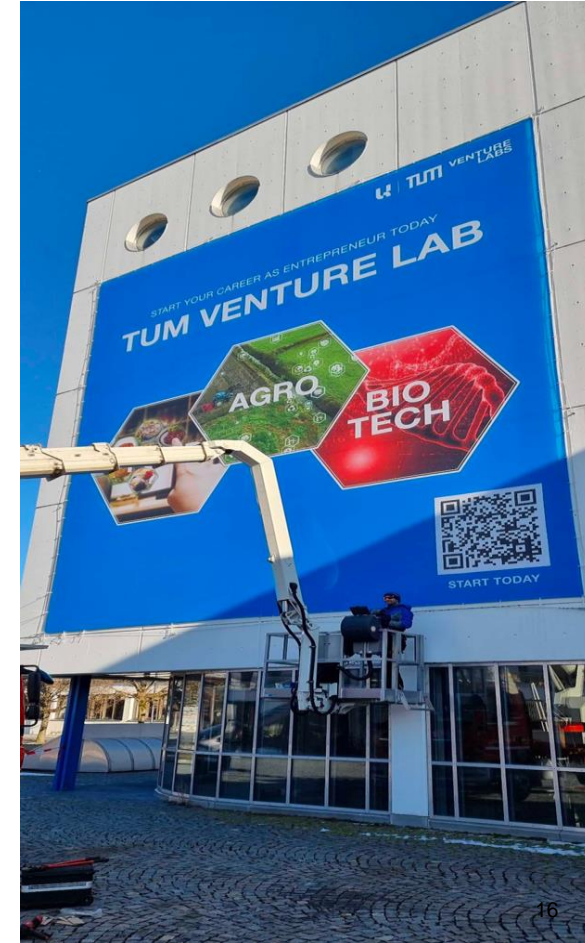
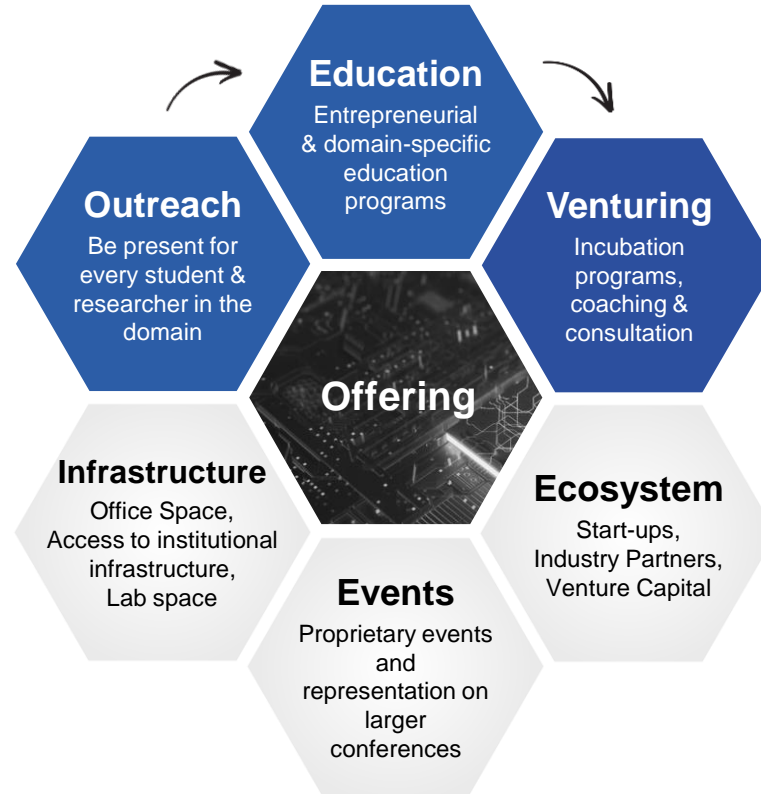
The TUM Venture Labs foster entrepreneurship in the major technology-driven opportunity fields of our times



We enable entrepreneurship in deep tech & life sciences, from mobilization to funded, scalable businesses

Mission

- Driving the **entrepreneurial mindset**
- Creating a **tailored and optimized support structure** for founders
- From **early idea** to **business launch** and **impact**
- **Within and across** all the deep tech and life sciences **domains**





Philipp Gerbert
CEO



Daniel Straimer
COO

Managing & Operational Directors



Sascha Schwarz
Managing Director

Additive Manufacturing



Florian Dötzer
Managing Director

Aerospace



Christos Chantzaras*
Co-Managing Director

Built Environment



Tobias Förtsch
Managing Director

Built Environment



Sarah Jessl
Managing Director

ChemSPACE



Roman Werner
Managing Director

Food/Agro/
BioTech



Sabine Klein
Managing Director

Healthcare



Jan Mittendorf
Operations Director

Heilbronn



Nic Knapp
Managing Director

Mobility



Christopher Trummer
Managing Director

Quantum



Arne Rost
Managing Director

Robotics/AI



Antoine Leboyer
Managing Director

Software/AI



Bastian Burger
Operations Director

VL Software/AI



Lars Eiermann
Managing Director

Sustainability &
Circular Economy



Florian Lintl
Operations Director

Sustainability &
Circular Economy



Stefan Blenk
Managing Director

Legal Tech Colab



Alexander Laprell
Operations Director

Legal Tech Colab



Tobias Ruzok
Strategic Projects



Elena Clever
Operations Manager



Jens Blankenburg
Project Management

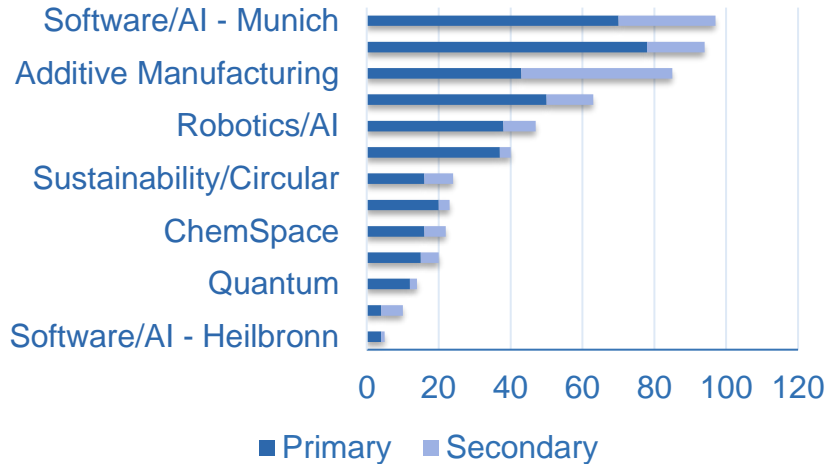


Valentina Zaburunova
Marketing Manager

Central Team

The current TUM Venture Labs pipeline contains over 400 ventures

Teams currently in incubation



Selected ventures:

		Fusion power plants using quasi-isodynamic (QI) stellarators
		Quantum computers with neutral atoms
		Plant-based fish from algae & mycelium
		Quantum sensing with nitrogen-vacancy centers in diamonds
		Fully automated and encapsulated MSLA 3D printer

LABS → ADDITIVE MANUFACTURING → EDUCATION

TUM.Additive Ph.D. Seminar

About Apply

We encourage all researchers and professors working with Additive Manufacturing in any way to join us!



Apply

16. April



LABS → QUANTUM → EDUCATION

IdeaLab Workshop

About Apply

2-day workshop for doctoral candidates and postdocs to transform quantum research into commercial applications.



Apply

DATE
26 April and 3 May 2024



LABS → CHEMSPACE → EVENTS

Powering the Future

Experience Munich's lively start-up ecosystem firsthand. Join us to explore opportunities, challenges, and insights from our keynote speakers, start-up consultants, and founders. Dive into entrepreneurship for an enriching future!

WHEN

Wednesday, April 17, 2024 · 12:00 PM

WHERE

Munich Urban Colab

[Register now](#)



LABS → EVENTS

H2 Meet-up Munich

ATMEN, TUM Venture Labs and H2UB partnering up to gather the innovative power of hydrogen start-ups, corporates and investors.

WHERE

Munich Urban Colab, Munich

[Register now on Eventbrite](#)

H2 Meet-up

April 24, 2024

Munich, Germany

Get your ticket now ↗



Get Your Product and Team Ready for Your First Customer





Tobias Ruzok,

Strategic Projects TUM Venture Labs

✉ tobias.ruzok@tum-venture-labs.de

General Contact

✉ contact@tum-venture-labs.de

🌐 visit us on <https://www.tum-venture-labs.de/>



Have you & your research topic logged within our labs for potential collaboration



TUM Venture Labs Newsletter

Please Feedback!