

TUM. The Entrepreneurial University.

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Ψηφιακός μετασχηματισμός, ηλεκτρονική διακυβέρνηση και καινοτόμος επιχειρηματικότητα στην προοπτική της βιώσιμης ανάπτυξης

Ερμούπολη Πέμπτη 18 Ιουλίου 2019





TUM at a Glance



Students

~ 41,000

35% female 27% int'l

Professors

545

Faculties

14

Degree Courses

177

~ 100 Masters 50% in English

Graduates

~ 8,700

Doctoral Theses

> 1,000

Publications

~ 7,000

Peer reviewed

Research Agreements

> 1,200

Alumni

~ 60.000

Invention disclosures

178

2018

Patent apllications

105

2018

Nobel Laureates

17

Startups 800+

Since '90

Fundraising EUR 323 M

1998 - 2018

3rd Party Funding EUR 356,8 M

2018

Frame Agreements

16

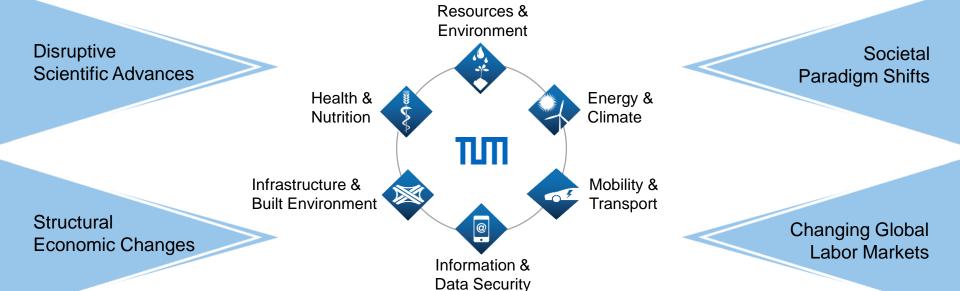
University of Excellence since 2006



Responsible Research and Innovation

...is the ongoing process of aligning research and innovation to the values, needs and expectations of society.

ROME DECLARATION (EU, 2014)





University's Third Mission

- > as stated in the Bavarian Higher Education Law
 - "... act together with economic and professional practice and promote knowledge and technology transfer. "
- Mission statement of TUM
 - "...TUM....proactively brings results from fundamental research into market-oriented innovation processes ...

TUM initiates the founding of growth-oriented startup companies by its members and supports them..."

➤ TUM IP Policy::

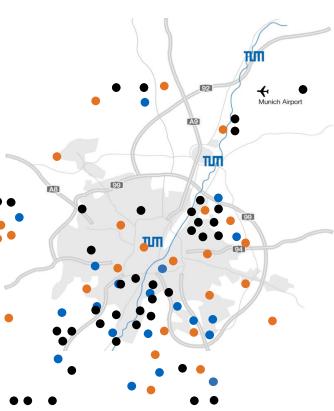
"...the commercialization of research results is part of the mission of TUM."



European Metropolitan Region Munich



Academic Network



Industry Network Google LABG EPCOS cerlikon SIEMENS @ EVONIK WACKER (infineon **公TDK**。 DRÄXLMAIER ((K)) KNORR-BREMSE **SGL GROUP** THE LINDE GROUP ROHDE&SCHWARZ **MAIRBUS Clariant** BR @ntinental3 Microsoft Allianz (II)

Start-up Network





Becoming the leading European Entrepreneurial University

TUM as the accelerator for growthoriented technology spin-offs in four target-areas

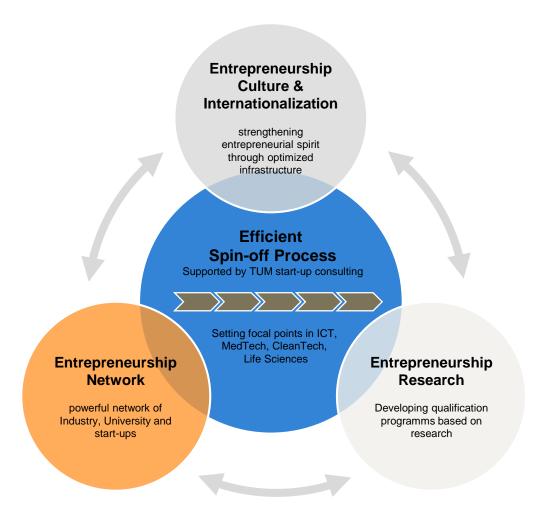


Aim: 10 growth-oriented technology spin-offs p.a.

- Unlock the potential of researchers
- Create a pro-active support system for entrepreneurs
- Optimize start-up-infrastructure
- Offer access to experts, partners, investors, clients
- Use best practice-methods, and tools
- Appoint of entrepreneurial professors



TUMentrepreneurship: strategic elements





TUM Start-up Consulting

TUM start-up consulting is a joint service of TUM and UnternehmerTUM

Service:

- Individual consulting from start-up coaches
- Support in team-building, team-development, and team-matching
- Advice on financing and funding procurement
- Arranging contacts within Network
- Arranging internal and external expert contacts in legal issues, employee rights, and intellectual property law
- Provision of working space and equipment at the TUM incubator





Entrepreneurial Network

Powerful network of industry, university, and start-ups

Experts from Industry and Academia acting as:

- Mentors for long-term support
- Advisors for short-term feedback
- Trainers / Speakers for workshops and keynotes (start-up & entrepreneuship topics)
- Investment experts and business angels
- Business partners and (pilot) customers

Start-up Mentoring

 Connecting entrepreneurial alumni and other supporters with TUM Start-ups





TUMentrepreneurship Expert Pool

Entrepreneurship Ambassadors:

communication of entrepreneurship matters within the university



Scientific advisors:

Technology and industry expertise, network

Mentors:

Technology and industry expertise, network



Entrepreneurship Culture



TUM IdeAward Competition for Start-up ideasWin up to 15.000 Euro plus coaching for your entrepreneurial idea

TUM Entrepreneurship Day

Start-up fair for networking and prize giving of TUM Presidential Entrepreneurship Award





European Venture Program

International program in 4 countries for 20 Entrepreneures to became an European founder within 12 days

US Venture Program

10 day program for 5 startups in Silicon Valley with workshops, pitch trainings and best practise exchange.





Entrepreneurship Research Institute (ERI)

Institute with four professors and 20 academics at doctoral/post-doctoral level

Key questions: Who starts a venture? What are the reasons?

Topics: Entrepreneurial motivation; opportunity recognition; passion

Start

Exit

Key questions: How to end the venture? What comes next?

Topics: Failure; learning; exit; corporate entrepreneurship

Key questions: How to set up the team and the venture initially?

Topics: Vision; equity
distribution; team and network
composition

Growth

Key questions: How to manage the evolving firm at home and abroad?

Topics: Conflict: strategy; organization; internationalization



Thank you for your attention!

