



Strategy 2025

Faculty of Technical Sciences
Aarhus University



AARHUS UNIVERSITY



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core [kɔː]
the central part of a fleshy fruit, containing the seeds
the central, innermost, or most essential part of anything
of central importance; basic; fundamental

origin of 'core'
1275–1325; Middle English; origin uncertain;
perhaps <Old French *cors* body> Latin *corpus*

COLLABORATIVE AND SOLUTION-ORIENTED – WITH GREEN AND DIGITAL IMPACT



Since 1 January 2020, the Faculty of Technical Sciences at Aarhus University (Tech) has been consolidating as a faculty in its own right.

Our skills and knowledge are needed more than ever – nationally and internationally. In the context of ever changing global challenges and increasing competition in higher education, we must further strengthen our academic development and research as well as student development. We aim at creating high societal impact, focusing on green and digital transition.

The Tech strategy 2025 is setting the direction of our faculty. With the ambition and four focal points the intention is to guide the faculty, departments, centres, staff, students and alumni as we further Tech's evolution as a nationally and internationally recognized research intensive faculty. The Tech strategy is aligned with the AU strategy and thereby ensuring a coherent strategic direction.

The ambition is to be a collaborative and solution driven faculty creating green and digital impact. The four focal points are the pathways to reach the ambition:

1. **Prioritizing and developing new partnerships and other collaborations**
2. **Recognised research, entrepreneurship and policy advice**
3. **Meeting our students where they are**
4. **Joint responsibility for openness, collaboration, co-ordination and development with trust and respect for each other**

The Tech strategy will aid Aarhus University in meeting its vision to be a research-intensive university that aspires to the highest international quality and excels in creating value through knowledge, new insights and collaboration, in addition to facilitating connections between Denmark and the world.

It is our ambition that this strategy will provide guidance for the Tech community to move towards the next level of excellence in our research, policy advice and education.

Your sincerely,
The Faculty Management

Collaborative and solution-oriented

*We create green
and digital impact*

Prioritisation and
development of
new partnerships

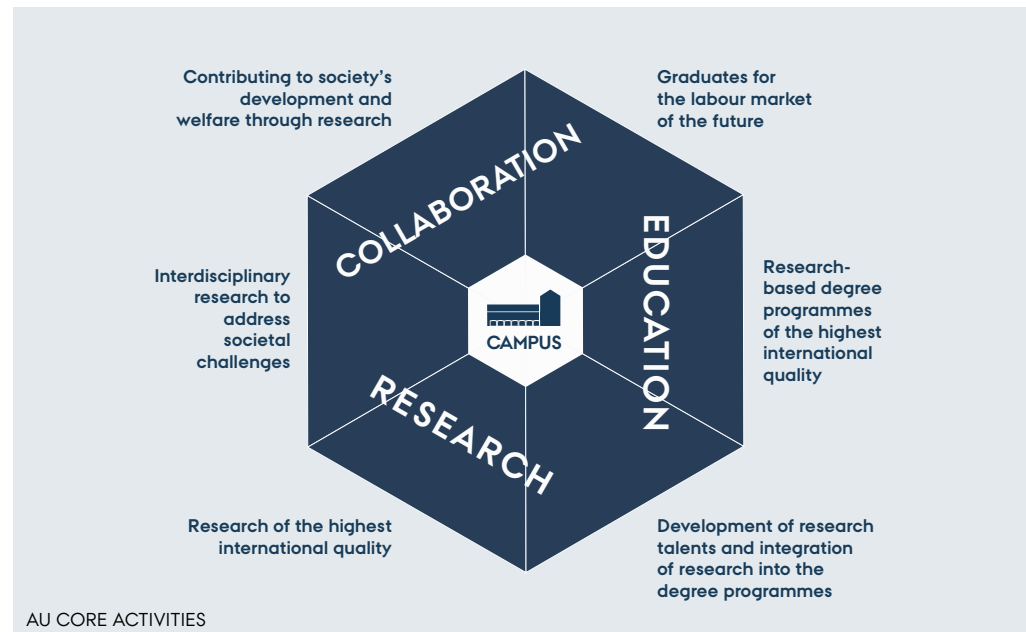
Meeting our
students where
they are

Recognized
research, stronger
entrepreneurship,
science-based
policy advice,
and talent
development

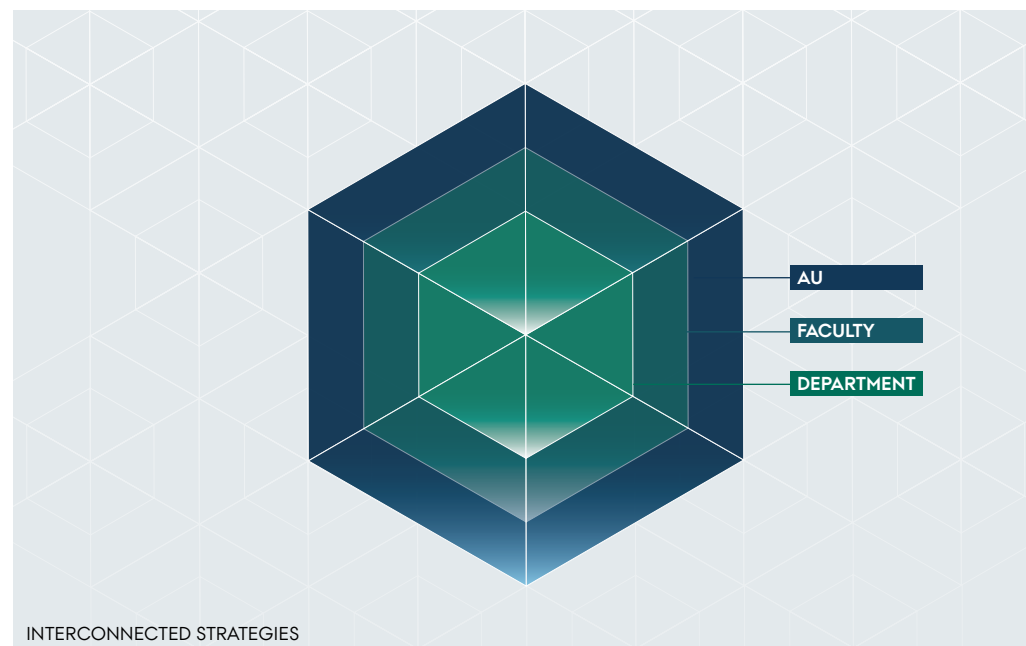
Joint responsibility
for collaborative
culture

TECH STRATEGY 2025

The vision of Aarhus University is to be a research-intensive university that aspires to the highest international quality and excels in creating value through knowledge, new insights and collaboration, in addition to facilitating connections between Denmark and the world. The hexagon shows AU's core activities that will contribute to realising the AU vision.



The AU strategy 2025 is translated into the Tech strategy and the departments' strategies. The diamond illustrates the interconnectedness between the strategies at AU level, faculty level and department level.



Preparation of automatic measuring buoy, Langemandssø near Zackenberg, Greenland.



Wind tunnel experiments at Deep Tech Experimental Hub.



Photo: Jasper Bruun

Development of automated methods for measuring soil compaction.



Photo: Lars Kruse

TECH MISSION

Tech strives to be a collaborative and solution-oriented faculty. We want to create the basis for green and digital solutions with high societal impact. AU Tech's ambition is the overall direction for the faculty. The ambition is supported by four focal-points.

TECH AMBITION

The core of AU Tech's work is to **contribute to the green transition** in society.

Through our strong academic fields of food, agriculture, the environment, nature, climate and engineering science, and through our targeted collaboration – both internally and outside AU – we deliver a **clear and significant impact on society**.

Our **students are an active part of this**, and they are trained in a change-oriented and solution-oriented approach to their subject, whereby they take responsibility.

Digitalisation is part of everything we do – within teaching, research and innovation, and within our science-based policy advice. As the transforming force, **digitalisation enables us to do things more intelligent and more accurate**.

In the future, we will work even more **mission-oriented and partnership-oriented**, and we will aim to be well-known for our work within the entire research and innovation chain.

Tech strives to be a collaborative and solution-oriented faculty. We want to create the basis for green and digital solutions.

In the future, we must be even better at working collaboratively. We must strengthen interdisciplinary collaboration with other academic environments - both internally and outside AU.

FOCAL-POINT 1: PRIORITISATION AND DEVELOPMENT OF NEW PARTNERSHIPS AND COLLABORATIONS

In the future, we must be even better at working collaboratively. We must strengthen interdisciplinary collaboration with other academic environments - both internally and outside AU. We must systematically work to ensure that knowledge, problems and solutions flow smoothly between organisations. Partnerships must be mission-oriented and aim at creating maximum societal impact. We must be the meeting place for different parties to develop new ideas.

WE WANT TO

- Prioritise collaboration with other academic environments, internally at AU as well as outside AU
- Strengthen collaboration between stakeholders and our students and researchers
- Build strategic partnerships, and systematically work to create "organisational pathways" in which knowledge, problems and solutions flow smoothly between partners
- Focus on mission-oriented partnerships with maximum societal impact
- Facilitate Tech as the natural center for many-party collaborations
- Support Tech as a meeting place for different partners to develop new ideas

Partnerships must be mission-oriented and aim at creating maximum societal impact. We must be the meeting place for different parties to develop new ideas.

FOCAL-POINT 2: RECOGNISED RESEARCH, STRONGER PARTNERSHIPS AND SCIENCE-BASED POLICY ADVICE

In the future, we must continuously make a significant contribution to research-based solutions in private and public companies and in society in general. The Tech faculty will support the development of policy advice, innovation and entrepreneurship, and build these together with internal and external stakeholders. We must continue to have a strong research organisation that supports both basic research and applied research and the integration of innovation with research. Continued recruitment of new talents and development of current talents at all levels are crucial.

WE WANT TO

- Continue to strengthen the faculty's research and thereby strengthen Tech's three research-based core areas: education, policy advice and innovation, and strengthen the mutual support the three areas offer each other
- Develop both basic and applied research, so that we can contribute innovation in both the short and long terms
- Consolidate our position as the preferred national supplier of science-based advice by expanding and diversifying research funding and continuously increasing quality of advice
- Recruit and develop talents within entrepreneurship from our research environments and our programmes
- Ensure that our students are offered training in entrepreneurship: idea development, creation of innovation, incubation, spread and scaling
- Maintain and develop the research anchor for policy advice and education

We will support the development of policy advice, innovation and entrepreneurship, and build these together with internal and external stakeholders.

FOCAL-POINT 3: WE MEET OUR STUDENTS WHERE THEY ARE

All students start their degree programmes with individual aspirations, ambitions, knowledge and competences. We must accommodate all our students and meet them where they are. Our programmes and teaching must involve and activate students and support their academic and personal development in the direction they have chosen to take.

WE WANT TO

- Meet our students where they are and support their academic and personal development
- Provide students with space and opportunity to engage in, and contribute to, solving major societal challenges in collaboration with other knowledge fields
- Encourage innovation and entrepreneurship
- Facilitate in-depth academic qualifications and capabilities
- Foster a common culture for how we design educations that supports these goals.

Our programmes and teaching must involve and activate students and support their academic and personal development in the direction they have chosen to take.

FOCAL-POINT 4: JOINT RESPONSIBILITY FOR COLLABORATIVE CULTURE

Through close collaboration and coordination, the faculty will ensure adaptation to the ever-changing needs and demands for solutions from our organisation. We are committed to co-creating the solutions of the future internally at Tech and with our partners at AU and in society. We will exploit our position as a knowledge-based organisation with versatile competences. It is crucial that we continue to promote a collaborative culture that builds on trust in the whole and respect for each other.

WE WANT TO

- Support openness, co-ordination and development with trust and respect for each other
- Ensure transparent decision-making processes and be clear in our priorities
- Ensure alignment of expectations and clear allocation of responsibilities
- Co-create, include and involve
- Support efficient processes for administrative support
- Challenge existing processes and ensure ongoing development as framework conditions change

We continue to promote a collaborative culture that builds on trust in the whole and respect for each other.

In the context of ever changing global challenges and increasing competition in higher education, we must further strengthen our academic development and research as well as student development.



FACULTY OF TECHNICAL SCIENCES **STRATEGY 2025**

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