

Adopted by Resolution No 7 of 16 June 2023 of the Board of Tallinn University of Technology

In force from: 26.06.2023

GREEN STRATEGY OF TALLINN UNIVERSITY OF TECHNOLOGY 2023-2035

Vision

The cornerstones of Tallinn University of Technology are smart solutions and technologies for creating a digital and climate-neutral future to ensure the competitiveness of the Estonian economy and industry. The university is a leader and trailblazer for Estonia's green transition.

Objective

Through the development of technologies, education and research, we contribute to the green transition, fostering the growth of the Estonian economy and society, while also developing an environmentally friendly university. The Green Strategy describes the objectives and key performance indicators necessary to achieve a climate-neutral university by 2035. We exemplify change by modernising all university activities with an aim to reduce greenhouse gas emissions on our campuses.

A prerequisite for the green transition is taking university cooperation to a new level in research, education and entrepreneurship. The basis and background of the Green Strategy framework are derived from the main national and European Union policy documents related to the green transition. The university contributes to the implementation of the 'Green Transition Trends and Scenarios in Estonia' (2023) and the 'Green Transition Action Plan 2023–2025' with its strategic development areas and, in collaboration with enterprises, plays a leading role in finding the best solutions for the state.

The Green Strategy specifies the goals and key performance indicators of the Strategic Plan of Tallinn University of Technology. The strategy involves two stages: in the first stage, the overarching development areas and short-term targets supporting the green transition are set until 2025, and in the second stage, the long-term sustainability targets are set until 2035. The university will strengthen its research and development co-operation with its strategic partners to collectively accelerate the provision of competitive technological solutions both in Estonia and globally. A solution-oriented approach entails the consideration of user needs in the development of technology to further facilitate the commercialisation and introduction of competitive technologies.

❖ Development areas

The European Green Deal has established a framework of activities that serves as the basis for the transition of the European economy towards a more sustainable future and the achievement of climate neutrality by 2050. Therefore, the university's development areas align with the topics addressed in the Green Deal. The development areas implemented in the fields of science, technology and entrepreneurship within the framework of the Green Strategy (hereinafter referred to as "development areas") are as follows:

1. Clean, affordable and secure energy
2. Circular economy
3. Energy and resource efficient construction and renovation
4. Pollution-free environment and transport
5. Healthy and environmentally friendly food system
6. Climate-neutral and smart cities, and mobility
7. Green transition economic models
8. Green and digital twin transition

❖ Objectives of the Green Strategy

The objectives and key performance indicators are classified according to the areas of activity defined in the Strategic Plan: a university teaching how to solve real world problems, a university engaged in high-quality research, a key driver of economy, sustainable university. Tallinn University of Technology also plays a significant role in educating society about emerging green technologies.

| AREAS OF ACTIVITY AND MAIN OBJECTIVES OF THE STRATEGIC PLAN | | OBJECTIVES OF THE GREEN STRATEGY | KEY PERFORMANCE INDICATORS OF THE GREEN STRATEGY | |
|---|--|--|---|---|
| | | | 2025 | 2035 |
| TEACHING AND LEARNING | A university teaching how to solve real world problems | The graduates of the university's formal education and continuing education are able to contribute towards creating a climate-smart and sustainable society. | 1. All first-level study programmes have been updated and supplemented to include green knowledge and skills | 1. All study programmes have been updated to include green knowledge and skills |
| | | | 2. Number of continuing education courses and their participants in the development areas. | 2. Number of continuing education courses and their participants in the development areas. |
| RESEARCH | A university engaged in high-quality research | We increase competition-based research funding and the share of top researchers in the academic staff. In the research fields of the university, priority will be given to research contributing to the green transition and the development of green technologies, while also fostering cooperation across the schools. | 1. Number of scientific publications in the development areas | 1. Number of scientific publications in the development areas |
| | | | 2. Number of doctoral theses defended in the development areas | 2. Number of doctoral theses defended in the development areas |
| ENTREPRENEURSHIP | A key driver of economy | We extend cooperation with business partners, contribute to the creation and application of intellectual property, launch spin-offs and start-ups, and increase the impact and visibility of the university within Estonia and internationally. | 1. Volume and share of new business co-operation projects launched in the development areas in the total of all university projects | 1. Volume and share of new business co-operation projects launched in the development areas in the total of all university projects |
| | | | 2. Revenue from the commercialisation of intellectual property in the development areas and its share in the university's total revenue | 2. Revenue from the commercialisation of intellectual property in the development areas and its share in the university's total revenue |
| SUSTAINABLE UNIVERSITY | Sustainable and inclusive university | We will be a trailblazer in creating a sustainable future and a climate-smart society and will increase the impact and visibility within Estonia and internationally. | 1. Share of voice (SOV) of green transition topics and strategic development areas in the media, % | 1. Share of voice (SOV) of green transition topics and strategic development areas in the media, % |
| | | | 2. GHG footprint per year, tCO ₂ ekv/m ² | 2. GHG footprint per year, tCO ₂ ekv/m ² |
| | | | 1. Total weighted energy consumption in kWh/m ² per year on the scale of energy labels | 3. Total weighted energy consumption in kWh/m ² per year on the scale of energy labels |