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# SUSTAINABLE DEVELOPMENT STRATEGY

OF KYIV NATIONAL  
UNIVERSITY OF  
TECHNOLOGIES AND  
DESIGN

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for the period up to 2030



Kyiv-2024

**KYIV NATIONAL UNIVERSITY OF TECHNOLOGIES AND DESIGN**

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**Kyiv 2024**

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**Compiled by:**

**L.M. Hanushchak-Yefimenko**, Doctor of Economics, Professor, Vice-Rector for Research and Innovation, winner of the Borys Paton National Prize of Ukraine in 2022;

**V.V. Statsenko**, Doctor of Technical Sciences, Professor, Vice-Rector for Digital Transformation;

**M.O. Verhun**, PhD in Economics, Chief Accountant and Vice-Rector for Financial, Economic and Social Work;

**V.M. Bobrovnyk**, PhD in Engineering, Vice-Rector for Academic and Production Affairs and Development;

**L.Ye. Halavska**, Doctor of Technical Sciences, Professor, Head of the Research Department; winner of the Borys Paton National Prize of Ukraine in 2022.

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## **We focus on working on the principles of sustainable development of an entrepreneurial university...**

### **PREFACE**



Universities exist to respond to important societal challenges – and there is no more important issue than educating a new generation capable of consciously and professionally building a sustainable and environmentally friendly planet. For us, as a scientific and educational institution with a vision to support the paradigm “Knowledge Leadership for the Creation of a Better World”, sustainable development is one of the key guidelines for fulfilling the University’s mission. This is our mobilisation task during the war – to take care of the restoration and sustainable

development of Ukraine through high-quality training of highly qualified specialists, take an active part in the personal development of young people, their patriotic and spiritual education, improving their abilities and lifelong pursuit of a happy life. We have to become a reference model for the entire community, guiding the behaviour of other actors in the institutional, social and economic world, and significantly influencing the formation of a system of values in society. Of course, the University, like any other organisation, has an operational structure whose activities affect the economy, society and the environment. Therefore, our institutional role has a double obligation – to develop ourselves according to the principles of sustainable development and confidently promote these principles in society.

These ambitious tasks facing the University today require the integration of the principles of sustainable development into the model of its functioning. In this situation, the search for ways to implement the principles of the sustainable development concept in the strategy of development and functioning of KNUTD comes to the fore.

At present, together with students, teachers, researchers, business partners and stakeholders, we have developed a new Sustainable Development Strategy for the University to overcome all the challenges that we and the whole society face in these difficult times of Russian armed aggression. The academic experience of KNUTD in sustainable development is quite significant and powerful. That is why we strive to become a leader in this field and to realise our vision of an encouraging future for Ukraine and the planet as a whole. In this future, we strive to be one of the most progressive universities developing on the basis of sustainable development in Ukraine.

Inspired by this vision, we look forward to working with all our stakeholders to create a sustainable university for a better world – a place of hope for the future and the post-war revival of our country.

Ivan GRYSHCENKO

Rector of KNUTD

## GENERAL PROVISIONS

Kyiv National University of Technologies and Design (KNUTD) is a modern university with a rich history, its own long-standing traditions and clear strategic development prospects based on the creative, dedicated work of many generations of its employees. The educational institution was founded in 1930. Today, KNUTD is developing and transforming into an entrepreneurial university on the basis of sustainable development. The ecosystem of educational and scientific activities of the teaching staff is aimed at developing an entrepreneurial culture and design of cooperation with the business community and employers, which produce various events to promote innovation, art and the fashion industry. The University creates new knowledge, carries out research and entrepreneurial activities, ensures social development and internationalisation of the educational space.

The University's **mission** is to promote sustainable development of the region and the country as a whole, to meet the needs of the population in education regardless of their place of residence/stay; to train competitive specialists for the war and post-war economy; to actively participate in the personal development of each person, their education and improvement of abilities and talents.

The term '**sustainable development**' refers to development that meets the needs of present generations and leaves an opportunity for future generations to meet their needs. This is a balanced development of the country and regions, whereby economic growth, material production and consumption, as well as other activities of society, take place within the limits determined by the ability of ecosystems to recover, absorb pollution and support the life of present and future generations.

**The purpose** of the University is to train and educate young people, to provide high-quality educational services necessary for society regardless of the place of residence/stay of consumers; to develop the existing potential of participants in the educational and scientific process, their creative abilities, active social and civic position.

**The goal** is to position KNUTD as the best and most internationally influential university of applied research with a high-quality educational and scientific reputation.

The University's **objectives** are to ensure high-quality educational activities of higher education students in compliance with the safe conditions; development of scientific research and transfer of technologies and innovations to the real sector of the economy; integration into the world market of science and education.

Emphasising the achieved level of development and taking into account the challenges of today, one of the tasks of the University is its transformation into a leading research and educational-scientific centre for the training of highly qualified specialists and academic staff of the highest qualification.

The University is focused on working on the principles of sustainable development of an entrepreneurial higher education institution. One of the Strategic directions of the University's development in accordance with the Development Strategy of Kyiv National University of Technologies and Design under martial law and post-war reconstruction of Ukraine for 2024-2028 is participation in ensuring sustainable development of the country and the region through the formation of human

capital by training.

The transition to sustainable development is a change in value orientations, a model that has no alternatives today. The internationally recognised fundamental values of development are freedom, equality, solidarity, tolerance, respect for nature, and shared responsibility. The National Sustainable Development Goals are based on political, economic, social, environmental, moral and cultural values inherent in Ukrainian society. They determine the strategy's focus on caring for the common good and protecting Ukraine's national interests.

## **1. GOAL AND MAIN OBJECTIVES OF SUSTAINABLE DEVELOPMENT**

**The goal of the Sustainable Development Strategy of Kyiv National University of Technologies and Design for the period up to 2030** is to ensure a high level and quality of life for the University's personnel, create favourable conditions for the activities of teachers, students, and all employees of current and future generations by introducing a new model of economic growth in line with the goals of sustainable development of Ukraine and forming a responsible attitude to the environment and environmental management in the University community.

The Sustainable Development Strategy of Kyiv National University of Technologies and Design was developed in the context of the Strategy for the Development of Kyiv National University of Technologies and Design under Martial Law and Post-War Reconstruction of Ukraine for 2024-2028, based on the Resolution adopted by the UN General Assembly on 25 September 2015 "Transforming our world: The 2030 Agenda for Sustainable Development", focusing on the sustainability targets to be achieved by 2030, which are reflected in the National Report "Sustainable Development Goals: Ukraine" and in pursuance of the Decree of the President of Ukraine No. 722/2019 "On the Sustainable Development Goals of Ukraine for the period up to 2030", with the support of the University's personnel and student community.

The strategic objectives of the University in the context of implementing the sustainable development goals are as follows:

- within the limits of competence and capabilities, participation in the development and revival of the country after the destruction caused by the Russian military aggression against Ukraine, adherence to global principles of sustainable well-being;
- educating the next generations of modern entrepreneurs, innovators, creators and leaders focused on implementing global values of sustainable development;
- development of the skills and knowledge necessary to capitalise on the next industrial revolution, taking into account the balanced triad of economic, social and environmental considerations;
- deepening cooperation with partners from the public and private sectors to address local and global economic and societal challenges of sustainable development;

- providing students and employees with the opportunity to respond positively to global challenges through high-quality higher education, professional work and a decent life;
- participation in the achievement of the 17 UN Sustainable Development Goals, which encourage global action to overcome the world’s greatest challenges – from famine and poverty to equality and environmental action;
- collaborating with research communities, external partners and colleagues on projects that help achieve the Sustainable Development Goals;
- developing mechanisms for implementing management decisions to ensure the sustainable development of socio-economic systems.

## **2. CONCEPTUAL FRAMEWORK FOR ORGANISING AND IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT**

The University’s Sustainable Development Strategy is focused on fulfilling the commitment to renew institutional attention to sustainable development issues on the basis of achieving the ambitious goals set to make a worthy contribution to the global Sustainable Development Goals of the United Nations (UN) adapted in Ukraine:

- Goal 1  
No poverty.
- Goal 2  
Zero hunger, agricultural development.
- Goal 3  
Good health and well-being.
- Goal 4  
Quality education.
- Goal 5  
Gender equality.
- Goal 6  
Clean water and sanitation.
- Goal 7  
Affordable and clean energy.
- Goal 8  
Decent work and economic growth.
- Goal 9  
Industry, innovation and infrastructure.
- Goal 10  
Reduced inequalities.
- Goal 11  
Sustainable cities and communities.



Goal 12  
Responsible consumption and production.  
Goal 13  
Climate action.  
Goal 14  
Life below water.  
Goal 15  
Life on land.  
Goal 16  
Peace, justice and strong institutions.  
Goal 17  
Partnerships for the goals.

Working in partnership with government agencies, NGOs, staff and students, KNUTD plans to become a model in protecting, restoring and improving the environment on the basis of high social standards and economic prosperity. An unstable climate, increasing CO<sub>2</sub> emissions and accelerating biodiversity loss require urgent action. In this strategy, the University focuses not only on overcoming the negative consequences of its activities, but also sets an ambitious goal – using its scientific and educational potential, teaching higher education students, occupying an important place in the social and political life of the city, region and country as a whole, to play a leading role in solving these problems, relying on the significant achievements of more than 93 years of its history.

The areas of implementation of the education concept for sustainable development at the University include, in particular, training of teachers with relevant competencies through the exchange of experience with international partner institutions, raising environmental awareness of students and university staff, education for sustainable development, included in the programmes of various academic disciplines of the educational process.

The University's scholars and researchers are given priority in developing and implementing environmentally friendly technologies, primarily energy-saving and low-carbon ones, and in implementing the principles of sustainable development of traditional sectors of the national economy, improving the efficiency of the energy sector, and reducing the energy intensity of life support systems.

The University will provide training of qualified specialists with the necessary competencies to develop and use the latest technologies that ensure the transition of society to sustainable development.

Supporting global initiatives to combat climate change, the University plans:

– reduction of harmful CO<sub>2</sub> emissions from the University buildings and laboratories; equipping buildings to the highest environmental standards of sustainable development. Reduction of energy consumption in the University buildings by modernising the insulation and lighting systems in buildings, installing efficient heating/cooling systems, and reducing maintenance costs for the University infrastructure;

- promoting the use of environmentally friendly transport as a replacement for traditional transport that has harmful emissions; in particular, advertising pedestrian, cycling and public transport;
- transferring part of the classes to online mode, which will optimise energy consumption, decrease the movement of people and reduce harmful emissions from vehicles;
- reducing the consumption of consumables (paper, printed materials, cartridges, etc.) in the educational process through the active use of modular environments and other information and communication systems for individual learning. Use of environmentally friendly consumables in the daily activities of the University;
- introduction of household waste sorting at the University and dormitories;
- promotion and organisation of events to achieve sustainable development goals; conducting research on climate change, alternative energy sources, water consumption reduction, wastewater treatment and waste recycling, demonstrating global trends in interdisciplinary research.

### **3. ACHIEVEMENT OF THE SUSTAINABLE DEVELOPMENT STRATEGY GOALS**

#### **Goal 1 – No poverty**



Overcome poverty, in all its forms, everywhere.

Raising awareness about poverty and ways to improve the quality of life of others. Providing social protection, incentive, compensation and guarantee rating payments.

#### **Goal 2 – Zero hunger, agricultural development**



Overcome hunger, ensure food security and promote sustainable agriculture.

Improving the availability and range of healthy food offered at the University. Deepening cooperation with higher education institutions focused on educating agricultural professionals by participating in joint research projects.

### Goal 3 – Good health and well-being



Ensure healthy lives and promote good physical condition and well-being for all.

Support of the scientific directions of the Department of Industrial Pharmacy of KNUTD “Fundamental Technologies of Active Longevity”, “Biology and Healthcare” and the activities of the training and research laboratory of molecular pharmacology, chemogenomics and biogerontology.

Continuous development of physical education and sports at the University, including general and professional physical training. Physical education covers almost all students. Classes are held in the following sports: football, volleyball, basketball, badminton, table tennis, rhythmic and athletic gymnastics, and shooting. Since 1958, the University Sports and Recreation Camp “Molodizhnyi” has been operating in the village of Pluty, Kyiv region. Its activities are aimed at developing sports and providing recreational activities.

### Goal 4 – Quality education



Inclusive, equitable quality education and the promotion of lifelong learning opportunities.

In the educational sphere, development takes place through the mechanism of academic entrepreneurship. The University operates in accordance with the current legislation of Ukraine and the University Charter. We teach and educate young people, providing quality educational services necessary for society, regardless of the place of residence/stay of consumers; we develop the personal potential of participants in the educational process, their creative abilities, and active social position.

The University is focused on developing and implementing inclusive educational programmes at all the faculties and institutes of KNUTD, based on the requirements of international standards of the ISO 9000 series.

### Goal 5 – Gender equality



Achieving gender equality and empowering women and girls.

The KNUTD Gender Equality Programme defines the basic principles, target groups, strategic goals and objectives for the implementation of state policy to ensure equal rights and opportunities for women and men in education. The purpose of implementing gender equality is to perceive and guarantee gender balance both at the organisational level and in educational and scientific activities. The principles of gender equality are crucial both for the realisation of the University’s mission and for building a just and sustainable future for the social, cultural and academic spheres, as well as for achieving the University’s sustainable development goals.

## Goal 6 – Clean water and sanitation



Sustainable water and sanitation management for all.

Carrying out research to develop innovative solutions to pressing issues of flood risk and flood management, water use and safety, suggesting the different ways in which water supports communities, from energy production and water used in food production to wastewater disposal.

Ensuring proper access and economical use of water in the University's buildings and dormitories and compliance with sanitary standards in the use of water resources.

## Goal 7 – Affordable and clean energy

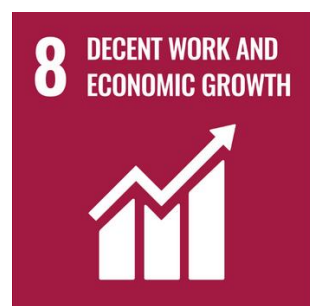


Ensuring the use of affordable, reliable and sustainable clean energy.

The post-war restoration and modernisation of Ukraine's education system is putting increasingly complex tasks and demands on both teachers and students. And especially to the University management, taking into account the strategy of sustainable development. The development of KNUTD in the context of global and European trends involves addressing such complex requirements of the time as increasing energy efficiency and energy saving. In accordance with the objective of the Programme "Support for Energy Saving and Energy Efficiency Measures of KNUTD", the increase of energy saving and energy efficiency in the areas of statutory activities of the University and the dissemination of knowledge, skills and abilities of energy saving and energy efficiency among teachers, students and all the University's employees are ensured.

The successful operation of the Energy Efficiency Centre has ensured ongoing support for the development of energy efficiency and renewable energy, comprehensive training of representatives of enterprises, public institutions, trade unions and research institutes who would like to gain knowledge about the development and implementation of energy efficiency projects, as well as the organisation of programme events and initiatives with international representatives involved in the implementation of energy efficiency projects in Ukraine.

## Goal 8 – Decent work and economic growth



Promoting sustainable, inclusive economic growth and productive and decent employment for all.

The introduction of internal systems of financial motivation and rating of the University's academic staff, its financial incentives and support for the activities of the trade union promotes sustainable, inclusive economic growth and productive and decent employment for all the University's employees.

In order to enhance the impact of material incentives on improving the performance of University's employees, stimulating the creative potential of academic and teaching staff to improve the quality of student learning, pedagogical innovation, initiative, implementation of the principle of remuneration depending on the personal contribution of each employee to the overall performance of structural units, departments and services of the University, the "Regulations on material incentives for employees of Kyiv National University of Technologies and Design" has been implemented and is effectively operating.

The University also has a Labour and Career Centre to support students' careers and employment, provide professional career advice, explore indicative study options, career events and possible work experience, and educate young people about sustainable and ethical business practices to create an interest in socially useful work for future industry leaders.

### **Goal 9 – Industry, innovation and infrastructure**



Creating sustainable infrastructure and sustainable industrialisation.

Researching existing problems and proposing roadmaps to minimise soil damage and ensure that future construction works are in line with people's needs and preserve the natural environment. One of the research issues we are focusing on is the creation of green universities, sustainable cities and how to make cities, as well as communities and citizens, more resilient, flexible and adaptable to climate change and other global challenges.

We are focused on repurposing existing buildings and modernising them to be more energy efficient and better suited to the goal of sustainability. Our University is focused on research, creative activity and innovation, and technology transfer. KNUTD provides talent development through the development of artistic creativity, humanitarian and social scientific research and technological innovation, contributing to economic prosperity and improving people's living standards.

### **Goal 10 – Reduced inequalities**



Reducing inequalities within and between nations.

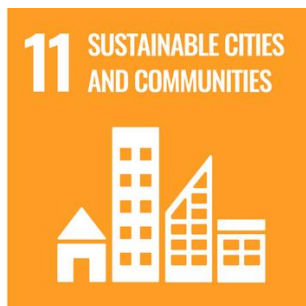
Creating an environment where everyone can thrive and fulfil their potential, which is reflected in initiatives related to the recognition and support of protected characteristics, including age, disability, gender, race, religion, sex, etc.

Support and active participation of the University in international organisations related to solving and mitigating these problems, staff and students, for the purpose of communication and the possibility of sharing best practices. Creation of appropriate conditions for the education of students with disabilities.



Creating an environment and culture of communication where all students, staff and visitors feel safe, socially responsible and open, and have the opportunity to support each other as they are, regardless of political views or religion.

### **Goal 11 – Sustainable cities and communities**



Making cities inclusive, resilient and sustainable.

Deepening cooperation with local communities and organising joint events in all cities where we operate. Creation of joint projects in cooperation with municipal authorities and interested organisations aimed at achieving sustainable development goals. The University systematically cooperates with the local authorities of Kyiv, the Union of Industrialists and Entrepreneurs of Ukraine, the Ukrainian Association of Light

Industry Enterprises of Ukraine, the Association of Furriers of Ukraine, the All-Ukrainian Association of Regional Employers of Light Industry Enterprises “Ukrlegprom”, the Light Industry Education and Investment Cluster and other stakeholders, local state administrations in Lviv, Chernihiv, Cherkasy, Brovary, Obukhiv, and others.

### **Goal 12 – Responsible consumption and production**



To provide responsible production and sustainable consumption.

Creating a culture of responsible frugal consumption in cooperation with stakeholders of all supply chains, who provide valuable information for expanding cooperation and common understanding. Responsible consumption and production is shaped through scientific and educational services and is the basis of the Development Strategy of Kyiv National University of

Technologies and Design under martial law and post-war reconstruction of Ukraine for 2024-2028. Formation of the corporate culture of the educational process participants, social and environmental responsibility, increasing motivation and compliance with safe working conditions is identified as one of the priorities in ensuring responsible production and sustainable consumption.

### **Goal 13 – Climate action**



Taking urgent measures to combat the climate emergency.

Creating awareness that sustainability, climate emergency and the environment are the responsibility of our entire community. Active participation in international climate change mitigation programmes. Developing programmes to minimise the use of fuel and energy resources and implementing them in university-wide activities.

## Goal 14 – Life below water



Conservation and sustainable use of oceans, seas and marine resources.

Participate in research to address issues that could have a significant impact on marine and coastal biodiversity. The purpose of which is to raise awareness and encourage investment, thoroughly investigate these issues now and possibly prompt policy changes to prevent negative impacts on marine and coastal biodiversity.

## Goal 15 – Life on land

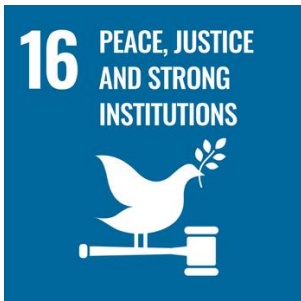


Protect, restore and promote sustainable use of land ecosystems. Restore biodiversity loss and land degradation.

The United Nations has proclaimed the Decade of Ecosystems for All (2021-2030). In addition, work has begun on the preparation of a new Global Programme for Biodiversity Conservation for the period after 2020.

Joining the implementation of a sustainable development plan to preserve the ecosystem. Sorting waste, reducing CO<sub>2</sub> emissions in our business and everyday life, avoiding particularly harmful chemicals, etc.

## Goal 16 – Peace, justice and strong institutions



Promoting peaceful and inclusive societies and ensuring access to justice for all. Commitment to conducting business consciously, responsibly and transparently.

In the educational process, we focus our modules on acquiring competencies for a just society and ways to improve the lives of others. For example, our law degree makes it possible to explore the world of conflict resolution, human rights, and how sustainability and global change will affect societies.

## Goal 17 – Partnerships for the goals



Global partnership for sustainable development.

Developing partnerships across the globe to ensure an educational process that equips our students with the right level of knowledge and prepares them to compete in national and global labour markets. Awareness that the implementation of sustainability requires, and at the same time being an exceptional opportunity, to intensify relations between universities in the national and international context for the exchange of knowledge, scientific and technological innovations.

We support initiatives to bring together universities, local authorities, and businesses to effectively position the national sustainable development policy, promote sustainable growth, and advance projects and processes focused on the circular economy.

The implementation of the Sustainable Development Strategy of Kyiv National University of Technologies and Design will allow an evolutionary transition to a more advanced model of sustainable management, which will facilitate the integration of the University into the European and global educational spaces focused on achieving sustainable development goals for the benefit of future generations, as well as ensure the formation of sustainable competitive positions in domestic and international rankings.

Kyiv National University of Technologies and Design undertakes to adhere to the established sustainability targets and carry out the planned activities aimed at implementing the declared provisions not only within its own competence, but also through the involvement of partners and stakeholders.





# SUSTAINABLE DEVELOPMENT GOALS

<b>1</b> NO POVERTY 	<b>2</b> ZERO HUNGER 	<b>3</b> GOOD HEALTH AND WELL-BEING 	<b>4</b> QUALITY EDUCATION 	<b>5</b> GENDER EQUALITY 	<b>6</b> CLEAN WATER AND SANITATION 
<b>7</b> AFFORDABLE AND CLEAN ENERGY 	<b>8</b> DECENT WORK AND ECONOMIC GROWTH 	<b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE 	<b>10</b> REDUCED INEQUALITIES 	<b>11</b> SUSTAINABLE CITIES AND COMMUNITIES 	<b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION 
<b>13</b> CLIMATE ACTION 	<b>14</b> LIFE BELOW WATER 	<b>15</b> LIFE ON LAND 	<b>16</b> PEACE, JUSTICE AND STRONG INSTITUTIONS 	<b>17</b> PARTNERSHIPS FOR THE GOALS 	