

KNUCA Sustainability Report 2024

Kyiv National University of Construction and Architecture (KNUCA)

 sdg.knuba.edu.ua

Foreword



Oleksii Dniprov, Rector

Kyiv National University of Construction and Architecture (KNUCA) continues to implement the United Nations 2030 Agenda for Sustainable Development through education, research, innovation, and community engagement.

Our mission is to educate a new generation of engineers, architects, and urban leaders who will build a resilient and sustainable future for Ukraine and the world.

The University integrates the 17 Sustainable Development Goals (SDGs) into academic programmes, campus operations and research priorities. In 2024 KNUCA expanded its sustainability framework through new policies on energy efficiency, water management, gender equality, and inclusive education. The University is developing sustainable campus infrastructure and strengthening partnerships with local authorities and international institutions (see e.g. “Favourable prospects for green recovery and sustainable development in Ukraine” by KNUCA). repository.knuba.edu.ua+1

Our Sustainability Strategy

The KNUCA Sustainability Strategy (approved by the Academic Council in 2024) defines five strategic directions:

1. Integrating sustainability into education and research.
 2. Promoting social responsibility and student engagement.
 3. Improving environmental management and campus operations.
 4. Developing inclusive and safe educational spaces.
 5. Strengthening partnerships for sustainable development locally and globally.
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SDG 1 – No Poverty

KNUCA provides social support for students from low-income families through scholarships, discounts, and targeted grants. A “Student Financial Aid and Inclusion Programme” ensures equal access to education. The University collaborates with the Kyiv City Council on urban poverty reduction and provides free legal consultations through the Faculty of Law.



SDG 2 – Zero Hunger

The university canteens offer healthy and affordable food options, prioritising local and sustainable products. KNUCA implements a “Food Waste Reduction and Healthy Campus Nutrition Policy”, monitors food consumption and waste, and promotes balanced diets through student campaigns. Partnerships with local suppliers support sustainable agriculture and reduce waste across the supply chain.



SDG 3 – Good Health and Well-being

KNUCA maintains a comprehensive health and safety system on campus. A “Student Health and Psychological Support Service” provides counselling, sports programmes, and preventive medical services. The university promotes mental health awareness and partners with health institutions in Kyiv for joint projects on community health and resilience.



SDG 4 – Quality Education

Education for sustainable development is integrated into curricula across architecture, engineering, urban planning, and economics. KNUCA implements the “Green Curriculum Initiative” and the “Open Science and Innovation Platform” to enhance digital and sustainability skills. Teaching staff undergo regular training in inclusive and competence-

based education.



SDG 5 – Gender Equality

The University adopted a “Gender Equality and Anti-Discrimination Policy” in 2024 to ensure equal opportunities for students and staff. KNUCA supports women in STEM through mentoring programmes, seminars, and the “Women in Engineering and Architecture Forum”. Childcare and family-friendly spaces are available for employees and students.



SDG 6 – Clean Water and Sanitation

KNUCA monitors water use and wastewater treatment in campus facilities. “Water Conservation and Reuse Standards” require low-flow fixtures and grey-water systems in new buildings. Free drinking water points are available throughout academic buildings and

dormitories.



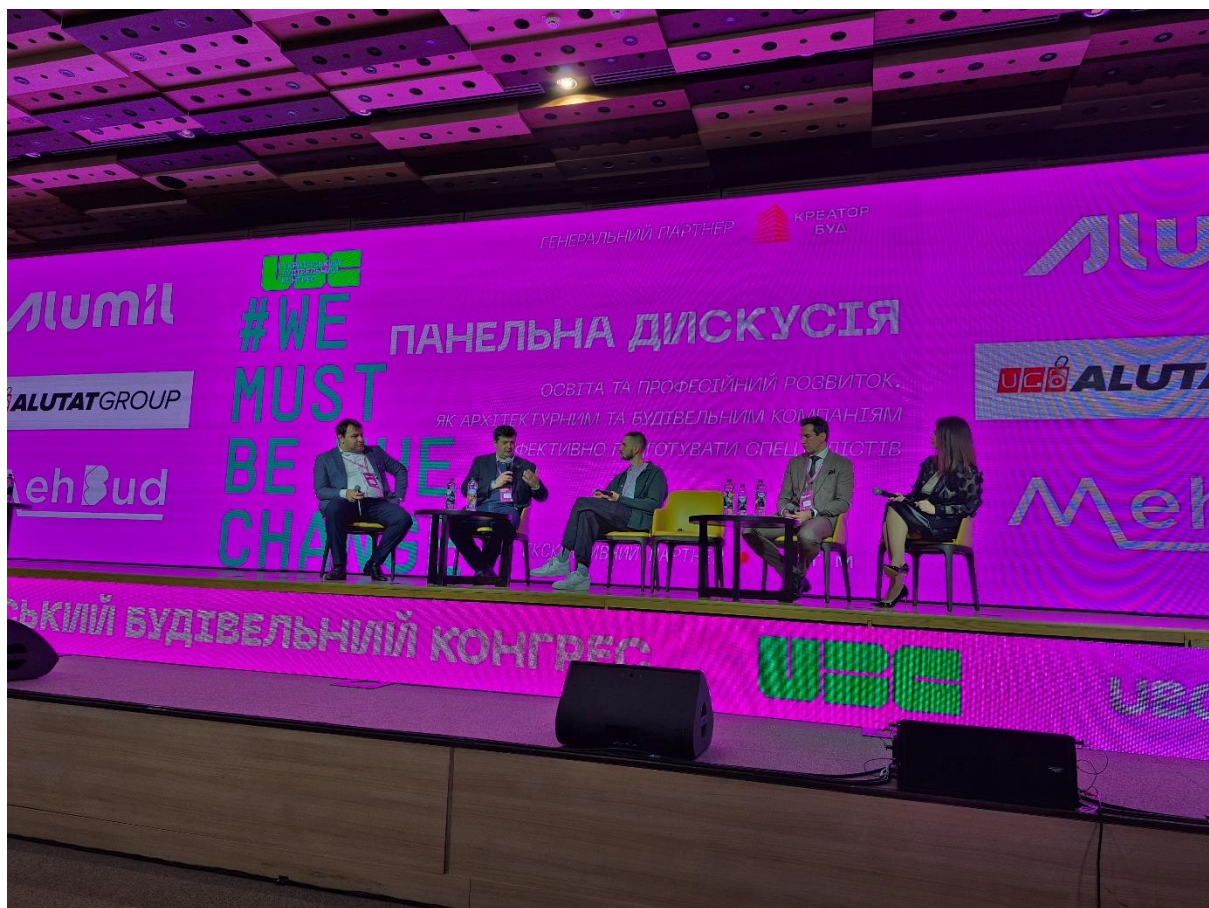
SDG 7 – Affordable and Clean Energy

The University implements energy-efficient technologies, LED lighting and motion sensors in all facilities. A “Campus Energy Transition Plan” includes solar panel installation and participation in Kyiv’s Renewable Energy Programme. Training modules on energy efficiency are integrated into engineering curricula.



SDG 8 – Decent Work and Economic Growth

KNUCA ensures decent work conditions through collective agreements and equal pay policies. Career development programmes help students gain skills for green and digital jobs. The University collaborates with construction companies to support internships and graduate employment.



SDG 9 – Industry, Innovation and Infrastructure

KNUCA promotes research and innovation in sustainable construction, energy-efficient materials, and smart cities. The “Research and Innovation Hub for Sustainable Engineering” connects students and industry partners. The University develops digital twin projects and supports technology transfer initiatives (see KNUCA repository work on green recovery and circular economy). repository.knuba.edu.ua



SDG 10 – Reduced Inequalities

The University implements an “Inclusive Education and Equal Access Policy” ensuring accessibility for students with disabilities and under-represented groups. Scholarships and mobility programmes promote equity and diversity.



SDG 11 – Sustainable Cities and Communities

KNUCA is a national leader in urban planning and sustainable architecture. It develops the “Sustainable Campus and Urban Mobility Policy” and the “Green Building Operation Manual”. Student projects focus on resilient housing, smart transport, and urban heritage preservation (see research on ecological civilization and planning by KNUCA).

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SDG 12 – Responsible Consumption and Production

Waste management programmes at KNUCA include separate collection of paper, plastic and batteries. A “Circular Procurement Policy” prioritises environment-friendly suppliers. Workshops on eco-design and life-cycle assessment (LCA) are regularly held.



SDG 13 – Climate Action

KNUCA adopted a “Net Zero by 2035 Commitment” and a “Climate Action and Resilience Plan”. The plan includes monitoring of carbon footprint, greenhouse gas inventory, and training for students on climate adaptation. Annual events under the “Green Week” initiative raise climate awareness.

Попит стимулює пропозицію. Тому, обираючи товари та послуги з поліпшеними екологічними характеристиками, ми підтримуємо відповідальних виробників та інноваційний розвиток технологій різних галузей, турбуючись про стан довкілля та власне здоров'я.

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Україна



Країни ЕС



США



Канада



Німеччина



SDG 14 – Life Below Water

Educational modules on hydrology and water ecosystems enhance awareness of aquatic sustainability. KNUCA participates in the “Dnipro River Clean-up and Monitoring Programme” with local authorities.



SDG 15 – Life on Land

The University organises tree-planting campaigns and landscape restoration projects. The “Green Campus and Biodiversity Policy” supports urban greening and soil preservation.



SDG 16 – Peace, Justice and Strong Institutions

KNUCA upholds academic freedom, integrity and transparency. The “Ethics and Governance Code” ensures accountability and student participation in decision-making. The University supports civic education and human-rights courses within law and public administration programmes.



SDG 17 – Partnerships for the Goals

KNUCA collaborates with universities, NGOs and municipal authorities to advance the SDGs. Partnerships with UNESCO, the Ministry of Education and Science of Ukraine and European universities support joint research and exchange programmes. The University participates in the Ukrainian SDG Network and shares best practices internationally (see KNUCA's research publication). repository.knuba.edu.ua+1



Conclusion

The Kyiv National University of Construction and Architecture continues to lead by example in promoting sustainable development in Ukraine. Through education, research, and partnerships, KNUCA contributes to achieving the UN 2030 Agenda and building a resilient, inclusive and green future.