

GREEN ENERGY CAMPUS (2024-2030) INTERNATIONAL UNIVERSITY OF TOURISM AND ENTREPRENEURSHIP OF TAJIKISTAN

Annotation: The goal of the program is to reduce campus energy consumption and transition to renewable energy sources while ensuring greater reliability and sustainability of the energy supply. The program implements the University's "green" course and is aligned with the Green Campus 2030 Strategy, the National Green Economy Development Strategy of the Republic of Tajikistan for 2023-2037, and Tajikistan's Nationally Determined Contribution (NDC) under the Paris Agreement.

The scope of the program covers all academic and administrative buildings of the main campus and its branches, dormitories, sports facilities, and the Skills Development Center. Key measures include the phased installation of solar panels on rooftops, the implementation of the iU Energy smart energy management system for accounting, monitoring, alerts, and analytics, as well as the transition to LED lighting, smart sockets, and motion and light sensors.

The program contributes to the achievement of several UN Sustainable Development Goals (SDGs), including SDG 7 on affordable and clean energy through solar power and energy efficiency; SDG 9 on innovation and infrastructure via the introduction of iU Energy and smart grids; SDG 11 on sustainable cities and communities by developing a smart and energy-efficient campus; SDG 12 on responsible consumption through reduced peak loads using LED technologies and smart devices; and SDG 13 on climate action by lowering CO₂ emissions.

The program also includes regular communication and educational activities, such as annual training sessions for staff and students, public dashboards displaying energy consumption, and awareness campaigns under the motto "Save Energy Together." Implementation will be carried out in accordance with national construction and electrical safety standards, IEEE and IEC standards for photovoltaic systems and inverters, as well as occupational safety and fire protection requirements.

The translation was carried out by the Research Institute for Sustainable Development and Green Economy at the International University of Tourism and Entrepreneurship of Tajikistan.

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