

WATER REUSE & RECYCLING SYSTEM PROGRAM (2024-2030)

Annotation: Rational use of water resources is a priority for sustainable development, especially in Tajikistan's arid climate and the growing burden on Dushanbe's public utilities. The International University of Tourism and Entrepreneurship of Tajikistan (IUTET) is implementing a comprehensive program called "Water Reuse & Recycling System", aimed at creating a water recycling system and reducing drinking water consumption through the reuse of treated wastewater and rainwater.

The goal of the program is to reduce drinking water use by 30% and achieve reuse of at least 50% of treated wastewater by 2030.

1. Implementation of a local grey water treatment system (from showers, laboratories and the canteen);
2. Use of purified water for irrigation, toilet flushing and technical needs;
3. Organization of collection and filtration of rainwater (operational);
4. Creation of a digital system for monitoring and reporting on water use;
5. Formation of a culture of water conservation among students and staff.

Expected results

1. Reduce water consumption by 30% and reuse water by more than 50%;
2. Implementation of a local closed water cycle system on the university campus;
3. Improving the level of environmental culture among students and staff;
4. Formation of a demonstration platform for water innovations in education and science.

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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