JSC « Mukhamedzhan Tynyshpaev ALT University »

ALT University Strategy in the Context of the Sustainable Development Goal “Climate Action” until 2030

Within the framework of the UN Global Sustainable Development Goals, ALT University recognizes the need for systematic measures to combat climate change. Key priorities include minimizing the carbon footprint, implementing environmentally sustainable practices, and fostering a responsible attitude toward the environment among faculty, students, and staff.

The ALT University Strategy (hereinafter referred to as the Strategy) complies with the priorities of the National Sustainable Development Strategy of the Republic of Kazakhstan, key state programs, international documents and standards:

- Concept for Kazakhstan’s Transition to a Green Economy;
- Kazakhstan–2050 Strategy;
- Doctrine for Achieving Carbon Neutrality of Kazakhstan by 2060;
- National Climate Change Adaptation Strategy;
- UN Sustainable Development Goals (SDGs, 2015–2030);
- ESG (Environmental, Social, Governance) criteria.

Main Strategic Directions

1. Reducing the University’s Carbon Footprint:

- gradual transition to renewable energy sources (installation of solar panels);
- energy-efficient buildings: modernization of heating, air-conditioning, lighting and ventilation systems, transition to more efficient technological equipment;

• reduction of paper-based document flow, digitalization of processes, recycling of used paper;

• development of eco-transport: promotion of bicycles and electric vehicles.

2. Environmental Education and Research

• introduction of the course “Ecology and Sustainable Development” as a mandatory component for all academic programs;

• integration of climate topics into curricula (modules on sustainable development);

• development of research on climate change and its impact on transport systems, the environment, human health, economy, environmental safety and urban sustainability;

• organization of conferences, seminars and workshops on climate resilience and environmental technologies.

3. Sustainable Resource Management

• introduction of separate waste collection (installation of containers for separate waste collection throughout the University, including students' homes), restriction of the use of single-use packaging;

• optimization of water consumption and implementation of water reuse systems for technical needs;

• development and maintenance of green zones to increase biodiversity and carbon absorption.

4. Community Engagement and Partnerships

• programs to raise environmental awareness among students, faculty and staff (lectures, trainings, practical events);

• support for volunteer environmental projects and student eco-clubs;

• engagement of experts from environmental organizations;

• cooperation with businesses in green technologies;

• collaboration with local environmental organizations.

5. Reporting and Monitoring

• environmental performance audits (energy use, CO_2 emissions, waste volumes);
• adjustment of strategic priorities based on audit results;
• publication of annual sustainability progress reports.

6. Expected Results by 2030

• reduction of the carbon footprint through energy-efficient technologies and renewable energy;
• establishment of a green campus with waste minimization and recycling systems;
• 50% reduction in plastic consumption;
• expansion of educational programs on climate change and sustainability;
• 40% increase in scientific publications on sustainable development;
• expansion of partnerships and participation in international sustainability grants;
• development of sustainable transport infrastructure;
• engagement of at least 50% of students and staff in environmental initiatives.

Implementation of this Strategy will not only reduce the negative environmental impact of the University, but will also foster a new generation of professionals aware of the importance of sustainable development and environmental responsibility.

Approved at the Academic Council meeting, Protocol No. 8 dated April 25, 2024.