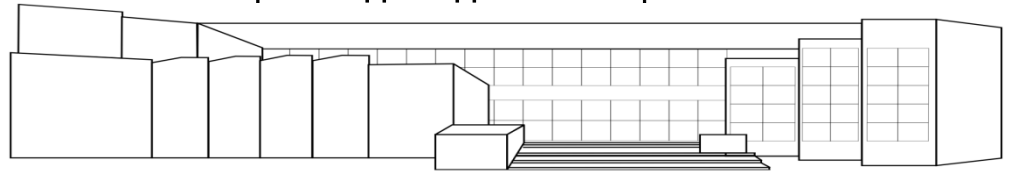




ҚАРАҒАНДЫ ИНДУСТРИЯЛЫҚ УНИВЕРСИТЕТІ



POLICY OF KARAGANDA INDUSTRIAL UNIVERSITY TO ACHIEVE NET ZERO EMISSIONS

The policy of the Karaganda Industrial University (hereinafter referred to as KarIU, university) determines the nature of the actions necessary to achieve zero carbon emissions, interaction with partners in the field of research and development, local executive bodies and industrial enterprises in the region.

The policy provides for a phased transition from research and development in the field of climate change and decarbonization to technical and technological solutions and their implementation.

The university, providing the necessary changes on the way to sustainable development, is committed to achieving zero carbon emissions.

I Stage 2022-2030 - Scientific research

Study of natural and technical systems, assessment of the impact of various factors on the environment.

Development of decarbonization technologies.

International research cooperation in the field of achieving sustainable development goals at all levels.

Cooperation with large industrial companies in the field of joint development of approaches to sustainable development and the formation of new technological and educational standards.

Key areas in which work will be carried out:

- buildings and structures, the territory of KarIU and its facilities, including the pilot site;
- electrical networks and communications, power supply and life support systems;
- research and development - obtaining new technologies for emission reduction and sustainable development;
- educational programs on climate change and sustainable development.

At the first stage, the university plans to reduce direct greenhouse gas emissions, which are generated from sources owned by the university.

II Stage 2030-2040 - Application and analysis

At the second stage, the university should become an expert platform on climate change issues, technologies to reduce the impact of industrial enterprises on the environment. The university plans to actively participate in the formation of a green economy by promoting its developments.

Planned:

- Transition to more sustainable and large-scale projects with partner universities and partner enterprises.
- Introduction of new technologies into practice on the territory of KarIU and research sites.
- Implementation of successful practices at partner enterprises.

In the second phase, the university plans to reduce by 2040 indirect greenhouse gas emissions associated with the production of electricity and heat purchased by the university.

III stage 2040-2050 Change and broadcast

Development of the university campus as an object of sustainable development, application of technologies and transfer of experience gained (coverage of applied technologies, holding forums and conferences, development of relevant educational programs).

The scientific and technological development of KarIU should ensure a high level of new technologies and the transformation of the internal and external structure in relation to global challenges.

Confirmation of the image of the university with specific examples used on campus and the city, transfer of experience through technologies and educational programs, interaction with society through expert assessment of technologies used in various socio-economic areas.

Technological solutions of the university are embodied in the processes of companies and industrial partners and are in demand on the market.

Teachers and students are carriers of a culture of sustainable development - experience in the field of technology contributes to the formation of a special culture of the university and allows you to influence society through a new generation of engineers - the creators of the green economy of the future.

In the third stage, by 2050, the university plans to reduce all other indirect emissions associated with waste disposal, water use, etc.

**Chairman of the
Board - Rector**

"01" September 2022

(Approved on the basis
of the decision Board
Protocol No. 1)



B. Abdrasilov