

## Cooperation with Binlin Electronic Technology

Al-Farabi Kazakh National University (hereinafter – KazNU) and the Chinese company Binlin Electronic Technology (hereinafter – Binlin) plan to jointly develop and manufacture unmanned aerial vehicles (hereinafter – UAV) at the university. This important strategic partnership is aimed at developing high-tech industry in Kazakhstan, creating jobs, developing scientific potential and sustainable economic development of the country.

The project to create a UAV plant meets several key goals of the SDGs:

**SDG 4:** Quality education. This project will integrate educational processes with the real manufacturing sector, which will significantly improve the quality of education. University students will be able to participate directly in research projects, testing and development of new technologies in the field of unmanned aerial vehicles. This will create unique opportunities for education in high-tech fields such as aerospace engineering, robotics, and programming, as well as for the development of innovative solutions, which directly contributes to improving the level of education in Kazakhstan.

**SDG 8:** Decent work and economic growth. The creation of a UAV production plant directly contributes to the economic growth of the region and the creation of new jobs. The plant will require specialists of various professions: engineers, operators, designers, programmers, as well as logistics and management specialists. These jobs will provide sustainable employment for young people, including graduates of KazNU.

**SDG 9:** Industrialization, innovation and infrastructure. The project of the UAV production plant contributes to the development of innovative infrastructure in Kazakhstan. Given that unmanned technologies are a high-tech industry, the opening of such a plant will give impetus to the development of other sectors, including electronic components, robotics, artificial intelligence and autonomous control systems. The plant will work closely with the scientific and research departments of KazNU, providing a platform for joint research and innovative developments.

**SDG 10.** Responsible consumption and production The production of UAVs can have a positive impact on sustainable consumption and production, as unmanned vehicles can be used in various industries to increase efficiency and reduce the carbon footprint. For example, UAVs can be used for environmental monitoring, nature conservation and sustainable agriculture, which reduces the need for a traditional vehicle and helps minimize the negative impact on nature. The use of UAVs in agriculture for precision farming or in the field of ecology for pollution monitoring will significantly reduce carbon emissions and environmental impacts.

**Goal 17.** Partnership to achieve goals. The interaction between KazNU and Binlin is an example of successful international cooperation to achieve sustainable economic growth and innovative development. In his messages to the people of Kazakhstan, President Kassymzhomart Tokayev focuses on the modernization of the economy and the development of the scientific and educational potential of the country. The creation of a UAV production plant directly contributes to these tasks.

- **Technological modernization: In his Message**, the President noted the need to transition to an innovative economy where high technologies play a key role. The construction of the plant will contribute to the introduction of new technologies and standards in the industry, as well as the creation of domestic high-tech products.

- **Development of scientific and educational infrastructure:** The plant will become not only a production base, but also a research center where students and scientists will have access to modern developments and research. This will support the growth of education and science, which is also reflected in the Message.

- **Sustainable development and environmental safety:** The President stressed the importance of sustainable development and improving environmental safety. In this context, the production of unmanned aerial vehicles will allow the use of new technologies that will contribute

to reducing the impact on the environment, for example, in the field of unmanned aerial vehicles, monitoring and nature protection.

