

TECHNOLOGICAL BREAKTHROUGHS IN PRESENT-DAY UKRAINE

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Nowadays, new discoveries are made and new technologies are explored every day in the world. Despite the war, Ukraine is no exception and continues to surprise the world with its new breakthroughs.

One of the most significant breakthroughs in recent years is the development of AI-based security systems. The Ukrainian government has invested heavily in artificial intelligence research to improve speech recognition programs, combat terrorism, and provide security.

Since the beginning of the full-scale war, Ukraine has made many discoveries in the military sector. The most important one is the drones. They have been used to gather intelligence, conduct surveillance, and provide real-time information to troops. Now a lot of companies are producing drones of different types and purposes.

One of the most advanced and latest drones that have been developed is a “stealth” strike drone (Backfire K1). This flying object is invisible to the electronic warfare equipment of our enemies, so it can accurately hit the target.

Electronic warfare system is a recently developed anti-drone system that has already been tested and will be ready to work in the near future. The work of this system is that it creates electronic interference, that helps to detect and counter hostile UAVs (Unmanned Aerial Vehicles). The system is made in such a way that it will be easy to fix if the need arises.

Because of this situation in our country a large amount of land is contaminated by mines. But our smart scientists and engineers developed a “Landmine detection platform”. This platform uses AI, satellites, and drones, specializes in detecting unexplored rockets and mines, which cannot be seen with the naked eye. When the dangerous thing is detected, the program marks it on the map, after which it can be neutralized.

In addition to military aggression, our country suffers from “online war”. To prevent unwanted consequences our country started to work with international partners to develop cybersecurity strategies and improve its capabilities.

Despite such a difficult time our people continue making new discoveries in different fields of science and life in general. For example: not so long ago we started using 3D printing technology to produce medical equipment, prosthetics, and even entire houses.

Another notable breakthrough was made in space exploration. Our scientists have developed their own space agency and launched several satellites into orbit.

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