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APPLICATIONS AND PROSPECTS FOR THE DEVELOPMENT OF UNMANNED AERIAL VEHICLES (UAVS)

UAVs in the aviation sector are among the most promising types of equipment, new designs are shown at exhibitions, development trends are discussed at international symposiums and conferences.

UAVs are used to solve a variety of tasks: in agriculture (for monitoring crop areas); infrastructure (inspection of bridges, buildings); energy (in hard-to-reach places, high towers or deep-sea places); the video market; military sphere; nature conservation (animal population monitoring, forest restoration), etc. One of their main advantages is the safety of the pilot (in case of UAVs, the operator), in the event of a breakdown and destruction of the aircraft.

With such a wide range of possibilities, frequent use of UAVs "for other purposes" (for crimes) is possible, creating a number of disadvantages: interference with the privacy of citizens and commercial companies; use of UAVs for theft and smuggling, etc. It is these acts of breaking the law with the help of drones that point to the fine line between the use of UAVs for peaceful purposes and a deliberate offense. To solve these issues, a legal and

regulatory framework is being developed to regulate the use of drones in the airspace and responsibility for any violations. In Europe, only in 2019, a set of rules was developed to regulate the operation of drones and technical requirements for them, their registration and identification.

It would be logical to study the experience of implementing regulatory documents for drones, to ensure the protection of citizens with the help of European regulations regarding UAVs.

As a result, the use and development of UAVs within Ukraine, with its agricultural potential, rich natural resources and extensive infrastructure, will continue to grow and develop. After all, monitoring, forecasting and control is a prospect and an unambiguous strengthening of the manufacturability of the economy.