Specialists of the Moscow Aviation Institute are working on the creation of a hybrid power plant for drones with a lifting capacity of more than 500 kg and promising aerotaxi. The project is implemented with the support of the NTI Foundation as part of the unmanned aviation development strategy until 2030.

The new installation combines the heat machine, generator and electric engines. This design will provide a vertical take -off technique without the need for the airfield and the possibility of long -range flights. Electronics will coordinate the work of all components, and batteries will help with maneuvers and take -off.

As the developers explain, the system will find use in the delivery of goods to hard -to -reach areas, monitoring of territories, agriculture and rescue operations. In the future, the technology can be adapted for aerotaxi.

The peculiarity of the project is the use of digital doubles of all components and orientation to Russian components. The development of the Uzga and Yakovlev has already shown the development.

Now there is a stage of calculations and preparation of sketch documentation. The manufacture of the demonstrator is scheduled for 2026.