

## TIP JET HELICOPTER



Modern military warfare techniques are focused on the firing on a target with minimal risk. That means using unmanned aerial vehicle (UAV) which eliminate the possibility to lose personnel.

The development of unmanned aircraft started at the beginning of the 21st century and they were initially used in the army, police and special operations units for extremely dangerous missions. The basic purpose of UAV were monitoring and firing on the target. Today UAVs find their purposes in commercial use – for security agencies, TV stations, firefighters etc...

In the beginning aircrafts with fixed wings were used because of simpler production and easier control. Today these models have been replaced by rotating wing aircrafts which are more comfortable to use – vertical takeoff and landing, there is no need for runway, there are more possibilities for monitoring and recording.

Tip Jet Helicopter designed by EdePro company is the product of our original development and it is unique on the market. Our helicopter does not have a tail rotor which represents weakness in military operations (90% of shooting down is because of tail section hitting). For directional control, instead of tail rotor we use two vertical tails.

We developed the pilot helicopter side by side with the unmanned helicopter.

**APPLICATIONS**

Surveillance and reconnaissance  
Target acquisition and tracking  
Convoy support  
Drug interdiction  
Homeland security  
Patrol, search and rescue

**ADVANTAGES OVER CONVENTIONAL DESIGN**

Lower maintenance  
Lower price  
No need for tail rotor  
Possibility of engine to run on several fuel types  
More payload

**ADVANTAGES OVER CONVENTIONAL DESIGN MANNED HELICOPTER**

Endurance	2,5+ hours
Max. Payload Weight	40 kg
Ceiling	3500 m
Max. Airspeed 1	170 km/h
Cruising Speed	120 km/h
Range	200 km
MTOW	350 kg

**ADVANTAGES OVER CONVENTIONAL DESIGN UAV**

Endurance	2,5+ hours
Max. Payload Weight	120 kg
Ceiling	3500 m
Max. Airspeed	170 km/h
Cruising Speed	120 km/h
Link Range	200 km
MTOW	350 kg



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