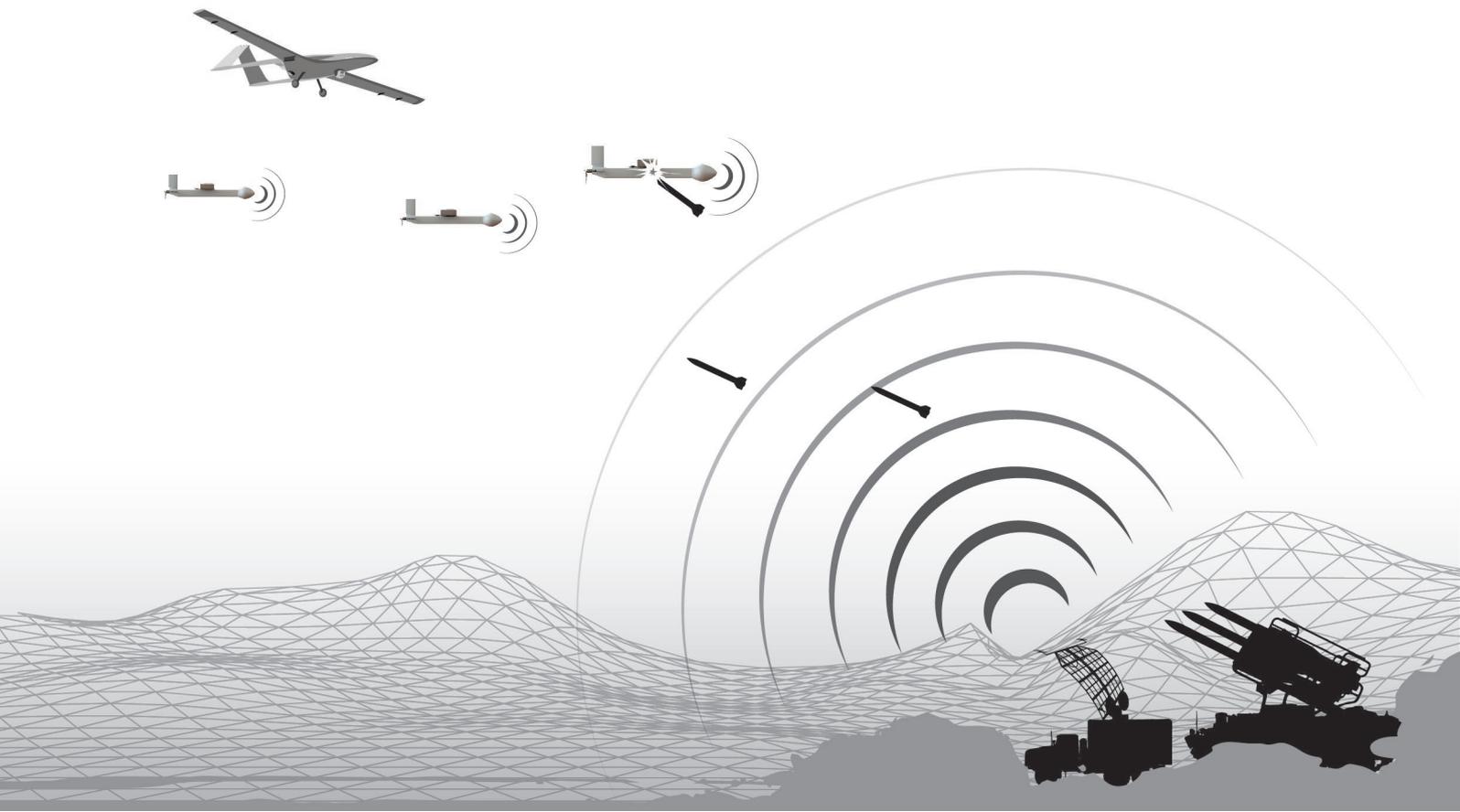


CATFISH TARGET UAV

Cost-efficient flying target





I CATFISH TARGET UAV MISSIONS PROFILE

Today's military conflicts have demonstrated the vulnerability of large, high-value drones in real battle conditions. The Catfish Target fixed-wing UAV is designed for two types of missions — to protect high-value drones and to expose the location of anti-aircraft systems in battlefield conditions. The UAV is designed to reflect radio waves with maximum strength and to be highly visible on military radars. In this way, the Catfish Target UAV simulates a large aircraft and is detectable by the enemy, who will launch high-value surface-to-air missiles at it. A low-value target drone is not only a great way to protect crucial aircraft and expose the location of anti-aircraft systems — it is also a cost-effective solution to win a conflict

by economically depleting enemy resources. The Catfish Target UAV is designed using robust composite materials and an automated control system developed by UDS, which allows it to carry out a fully autonomous pre-programmed mission even in environments where radio communications and GPS signals are jammed. Once the drone has completed its mission and the enemy has not used its SAM defense systems, the aircraft can autonomously return to the launch site or another pre-planned location. The drone is ready for another mission as soon as its battery is replaced. The Catfish Target UAV has shown clear results in the Russia-Ukraine war.



OPERATIONS

The Catfish Target UAV can be assembled and ready for operation in 3 minutes in real battlefield conditions. Due to light weight, and perfect power to weight ratio, drone can be easily handlaunched by the operator. Missions can be pre-programmed, which reduces the time and risk required for the operator to be in open terrain. The Catfish Target UAV operates in autonomous autopilot mode and performs a programmed flight at the altitude, speed, and trajectory specified by the operator. Landings are performed by autonomous autopilot. The aircraft does not contain any data that may be useful to the enemy or would give away the location of the launch or programmed return.



SPECIFICATIONS

Wingspan	1.5 m
MTOW	3 kg
Powerplant	Electric
Cruise speed	25 m/s
Max speed	35 m/s
Max speed in attack mode (diving)	50 m/s
Stall speed	16 m/s
Flight time	40 min
Flight distance without recovery	60+ km
Flight distance with recovery	30 km
Ability to mount flare	Yes

