

# VERMIN

## Aerial Target



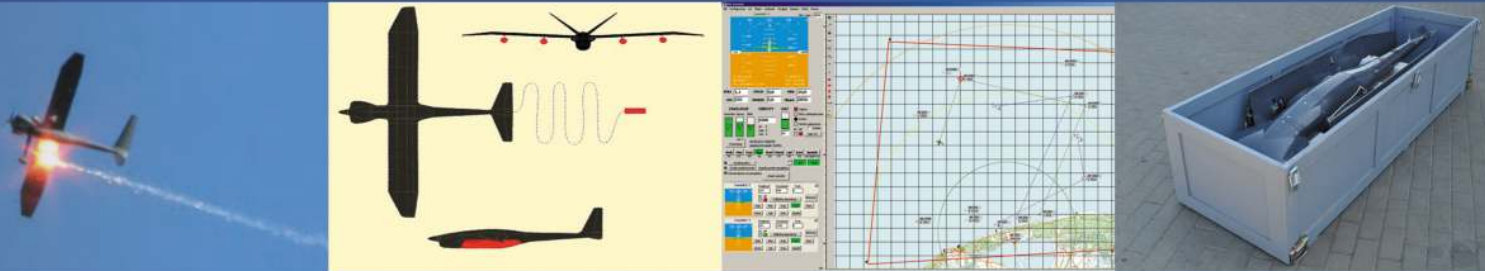
- Target simulator for radar, IR or electro-optical guided systems
- Autonomous flights according to programmed waypoints
- Catapult launch or conventional wheeled take-off
- Recovery via a parachute

## Target replication for radar guided systems:

The radar cross section mounted on a target drone makes it possible to detect and destroy the target drone with short and medium range missile systems like KUB (SA6 Gainful), OSA (SA8 Gecko), NEWA (SA3 Goa). Utility of the system has been proven in Field Tests which included direct target kills.

## Digital control and navigation system:

Autonomous flight is possible thanks to a digital autopilot. The waypoints are defined by GPS coordinates and altitude. The ground station provides visualisation of the flight parameters, drone positions on the digital map, as well as the waypoints control during the mission.



## Target emulation for infrared homing surface-to-air missiles (Stinger, Igla, PZR Grom):

Vermin is designed to carry various types of payloads, including IR transmitters, lamps and smoke generators. In the fuselage bay an IR decoy pod can be mounted. It is possible to tow the IR transmitters and use the drone for multiple missions.

## Technical Specifications:

Wingspan	3,16 m
Length	1,97 m
Empty weight	23 kg
Payload weight	6 kg
Maximum air speed	75 m/s
Average cruising speed	50 m/s
Drone position monitoring within its range (standard data link)	30 km
Endurance	1h
Adjustable radar reflection surface	>1m <sup>2</sup>



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