



# OTO MELARA

A Finmeccanica Company

Unmanned Vehicles

UAV

IBIS



## OTO-E-TRP5-IBIS

OTO - E-TRP 5 IBIS is a rotating wing UAV, propelled by an electric motor.

The configuration of the vehicle is based on a conventional helicopter concept: the main rotor provides thrust for cruise flight, hovering and control while the tail rotor provides yaw moment compensation and stabilisation.

OTO -E-TRP 5 is equipped with an optical sensor in order to carry out surveillance and tactical reconnaissance tasks and missions.

OTO - E-TRP5 electric propulsion is a key factor for better vehicle performances in stealthness with respect to:

- Acoustic Signature, as the emitted noise is generated only by the flow perturbation produced by the blades motion.

- IR Signature, as neither combustions nor high temperature exhausts and fumes are present.

- Optical Signature, because of small vehicle size and external shape configuration.

Such characteristics allow to operate the UAV in EW missions and tasks as a carrier for jamming systems and EM-saturation equipment.

OTO- E-TRP 5 can perform take-off and landing on UGV OTO-PRAETOR class platforms. Such integration extends the operative capabilities of the UAV as its batteries can be automatically recharged while standing aboard the UGV.



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