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Unmanned Vehicles

UCGV

PRAETOR



OTO - PRAETOR

Piattaforma Robotizzata Elettrica Tele-Operata Ruotata

OTO-PRAETOR is a remotely controlled four-wheel drive vehicle designed for providing high performances both on road and in off-road.

OTO-PRAETOR has been designed and developed following an Open Architecture and Modular System concept: the vehicle can be integrated and can operate in coordination with Manned and Unmanned platforms in a flexible way in order to accomplish to different operational needs.

OTO-PRAETOR is able to operate as a node within a Sensors, Systems and Platforms network. OTO-PRAETOR can be remotely controlled through T-UAV platforms to which it transmits the information acquired.

OTO-PRAETOR System is characterized by a modular architecture for integrating several payload suites.

The System has been developed in seven versions:

1. RISTA (Reconnaissance, Intelligence, Surveillance, and Target Acquisition)

2. Anti Improvised Explosive Devices (Anti-IED)

3. Communications

4. Electronic Warfare

5. Combat

6. NBC-E

7. DOG & FLEA mode

OTO-PRAETOR integrates and carries an Oto TRP3 unmanned vehicle on a custom interface structure which can be actuated through remote control for rapid deployment of the smaller UGV. While operating as a mother vehicle, OTO-PRAETOR is able to recollect the functions of control and monitoring a swarm of different-sized UGVs.

OTO-PRAETOR can be fitted with a tailored take-off and landing platform in order to transport and operate UAV helicopters such as the OTO-E-TRP5 IBIS. The tailored platform is equipped with an interface to the UAV system capable of recharging the helicopter batteries.



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