



OTO MELARA

A Finmeccanica Company

Unmanned Vehicles

UGV

OTO-TRP 1B



OTO - TRP1 B

OTO-TRP 1B is a remotely operated, dual use, security support UGV with outstanding mobility, speed, load capacity, ease of remote control and effectiveness of the onboard arm.

Its modular and flexible architecture can interface sensors and payload of up to over 150 kg., while maintaining the vehicle's characteristic mobility, thus making it effective even in the most difficult missions.

The system has been developed in six different configurations:

1. RISTA (Reconnaissance, Intelligence, Surveillance and Target Acquisition);
2. Anti-IED (Improvised Explosive Devices), Bomb Disposal;
3. Communication;
4. Electronic Warfare;
5. Combat;
6. NBCRE.

OTO-TRP 1B can integrate as payload a range of robotic arms of varying sizes and operability according to the specific mission requirements, thus enabling the system to master various operational contexts: from the movement of obstacles to its own means of progressing, to small-scale long-distance manipulation.

OTO-TRP 1B, thanks to its particular patented track system, can also adapt to obstacles by accompanying the platform in its movements and reaching a speed of over 10 Km/h.

OTO-TRP 1B, when fully loaded, can quite safely climb flights of steps, smooth inclines of over 60% and obstacles of over 30 cm. in height.

The ingenious rapid doubling system for the tracks makes the platform effective also on those (muddy or desert) terrains where, in order to achieve decent mobility, low specific surface pressure is required.

Remote control operation is immediate and can be easily undertaken also by non-expert operators thanks to the intuitive commands, the use of specific algorithm software to simplify high-level control and the particular spherical video camera included in the turret.

The Control Ground Station, which was created by the lengthy experience of Oto Melara in the field of weapon systems remote control, while complying with the strictest MILSTD regulations, excels in terms of its ease of use, lightness, transportability, and efficiency even in poorly lit conditions.