



Guardium^{UGV}™

DRIVEN BY INNOVATION



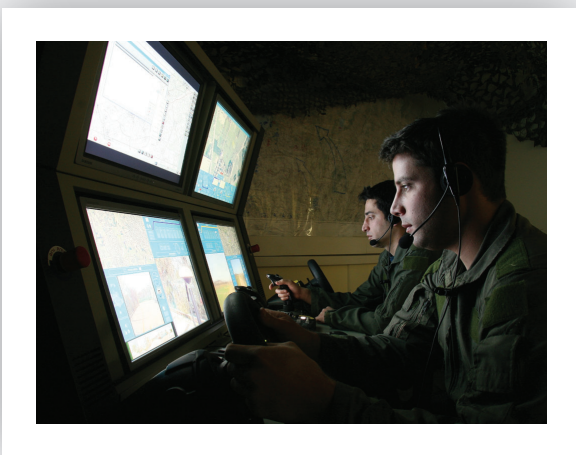
Guardium™ UGV

Operationally deployed by the Israeli Army, the Guardium UGV™, a semi-autonomous unmanned ground system, revolutionizes the effectiveness and utility of perimeter security and represents a long awaited breakthrough in combat applications such as force protection, route proving, combat logistics support and more.

The Guardium UGV™ was designed to perform routine missions, such as programmed patrols along border routes, but also to autonomously react to unscheduled events, in line with a set of guidelines specifically programmed for the site characteristics and security doctrine.

The Guardium UGV™ complies with ongoing military and industry standards, for which it was exhaustively trialed over thousands of operational hours.

The Guardium UGV™ system is an inclusive solution, comprising the vehicles, a command and control application, a customer tailored communication system, a modular selection of payloads and a comprehensive logistic support package. Technologically versatile and robust solution, the Guardium UGV™ Autonomous Kit could easily be migrated to different types of vehicles, based on customer's preferences.



System Characteristics:

Vehicle Level

- *Autonomous mission execution*
- *Real-time, self-ruling, obstacle's detection and avoidance*
- *Proven safety system*
- *Superb off-road maneuverability*

System Level

- *Easy to operate, dedicated command & control application in complementary operational versions: stationary, mobile and portable*
- *Built-in debriefing and training capabilities*
- *Variety of customer tailored wireless communication solutions*

Mission Level

- *Modular selection of payloads for comprehensive situational awareness and different mission requirements: EO/IR camera, Radar, Remotely Operated Weapon Systems, Non-lethal Weapon Systems, Electronic Counter Measures, COMMINT, Hostile Fire Indicator (HFI), two-way audio link, CBRN sniffers, RFID Interrogator, fire extinguishers and more*
- *Stationary, Mobile and Portable control terminals are available*

Vehicle Specification and Performance Data

- *Height: 2.2 m / 7.2 ft / 86 in*
- *Width: 1.8 m / 5.9 ft / 70 in*
- *Length: 2.95 m / 9.7 ft / 116 in*
- *Weight: 1,400 kg*
- *Max speed: 50 kph (in semi-autonomous mode)*
- *Endurance: 24 hours and up to days of continuous operation*
- *Power Plant: Heavy and standard fuels' engines are available*

GNIUS
Unmanned Ground Systems

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