



INTELLIGENCE SURVEILLANCE RECONNAISSANCE

THeMIS OBSERVE



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The ThE MIS Observe is built for tactical reconnaissance missions. The system includes a camera for day and night operations, an acoustic gunshot detector, smoke screen protection and a ground surveillance radar. Combining those systems allows units to make multi-sensor identification on one platform and react faster on emerging targets.

The ThE MIS Observe has a low acoustic signature and radio emissions and significantly increases a tactical unit's stand-off distance from enemy units whilst considerably increasing their capability and survivability.



THeMIS OBSERVE

HEVI OPTRONICS HEVITRACK-S

- Medium range multi-sensor gyrostabilized surveillance and targeting system.
- EO/IR sensors with image stabilization and tracking features.
- Target Geo-Location capability.
- Highly configurable sensor module.
- Precision pan-tilt unit for high accuracy.
- Real-time sensor control.

WILL-BURT STILETTO®

- Extended height 6 m
- Measurements 446 x 285 x 1170 cm
- Weight 95 kg
- Survival wind speed 160 km/h
- Erection time 90 sec
- Operating temp -40...+55 °C
- Storage temp -40...+71 °C
- Qualification MIL-STD-810F

THALES SQUIRE RADAR

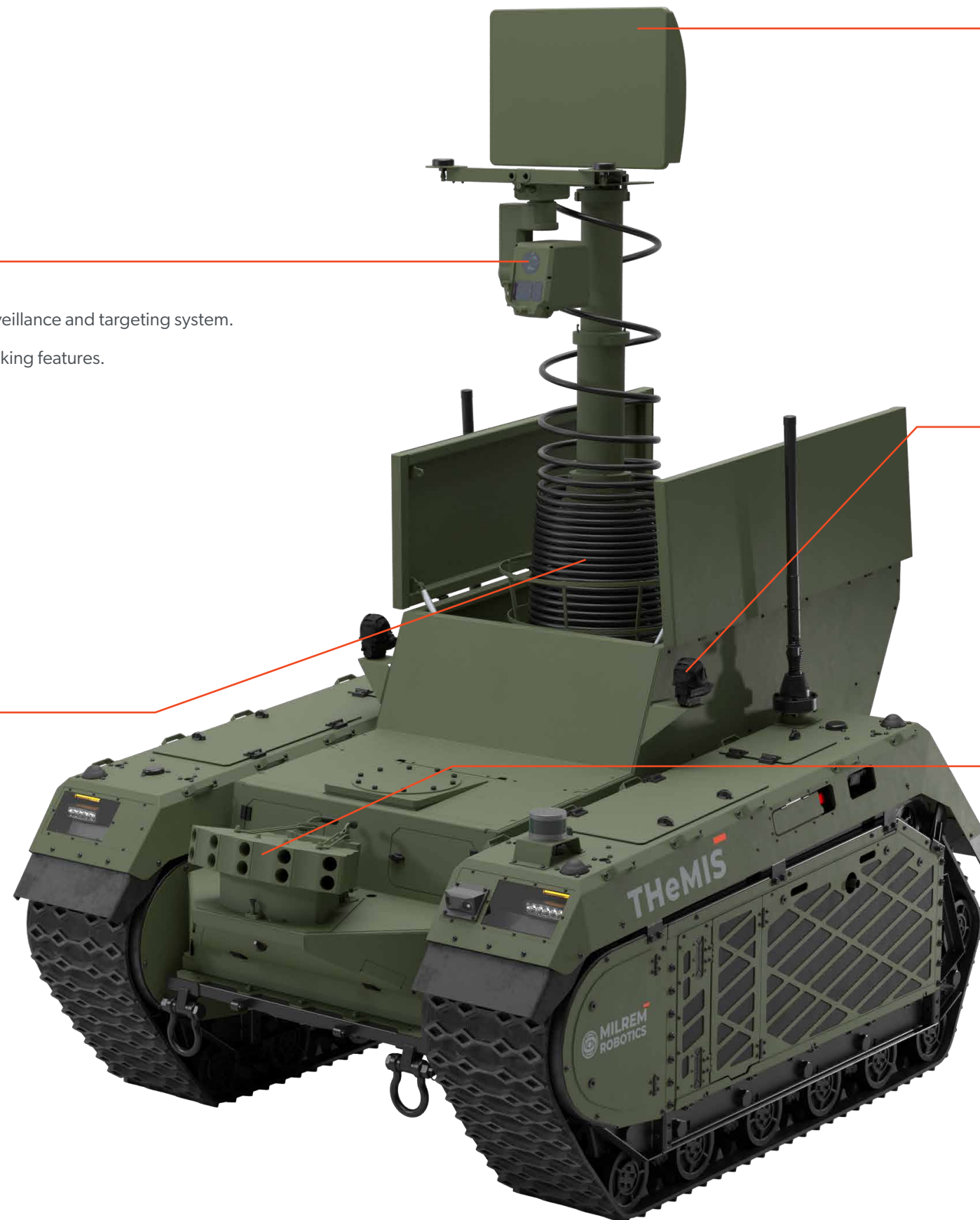
- Detection and classification of moving targets up to an instrumented range of 48 km.
- Virtually undetectable (True LPI).
- Low-level air surveillance for detection of mini-UAV and slow moving aircraft (< 300 km/h).
- Automatic and manual Doppler target classification.
- Fire adjustment for artillery and mortar firing units.

METRAVIB DEFENCE PEARL SHOT DETECTION

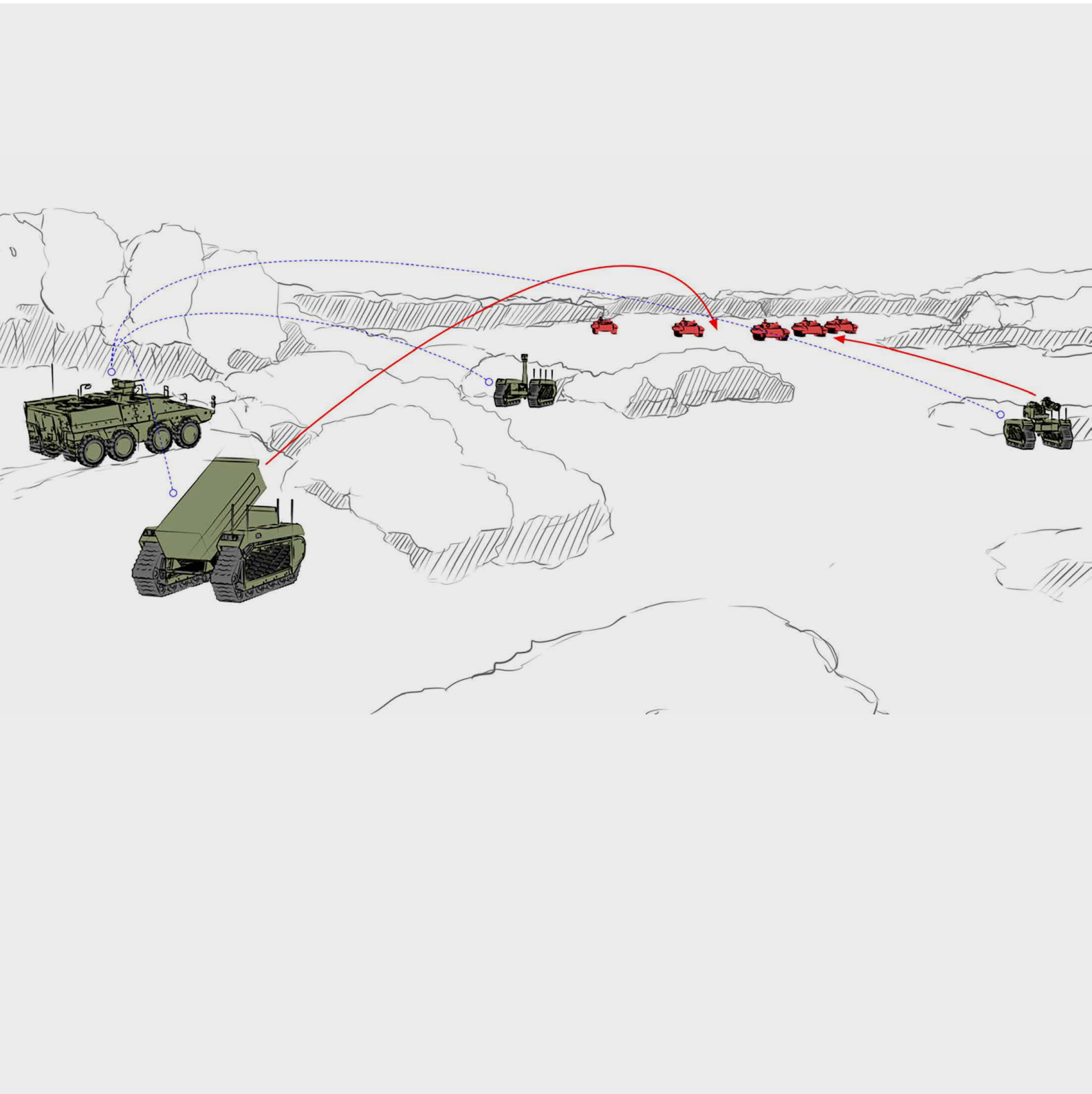
- Detects incoming small arms fire.
- Tracks target location during UGV movement.
- Slew-to-cue capability.
- Improves UGV survivability through interoperability with the ROSY.

RHEINMETALL ROSY

- Smoke protection in line of sight.
- Immediate and dynamic screening.
- Multispectral effectiveness.
- 360° protection.
- Multiple use without reloading.
- Minimum weight and recoil.
- Automatic reaction via sensor triggering.



ISR BATTLEFIELD CAPABILITY



UGV TECHNICAL SPECIFICATIONS

UGV	
DIMENSIONS	247 CM X 204 CM X 130 CM
WEIGHT	2100 KG
PERFORMANCE / MOBILITY	
MAX. SPEED	20 KM/H
GROUND CLEARANCE	60 CM
MAX. GRADE	31 DEG / 60 %
FORDING DEPTH	60 CM
PULL FORCE	15 000 N
RUN TIME (HYBRID, FULL INTERNAL TANK)	UP TO 15 H
RUN TIME (FULL LOAD, SILENT MODE)	UP TO 1,5 H
POWER SUPPLY	DIESEL ELECTRIC HYBRID
TURNING RADIUS	0 M
360 DEG SENSORICS & LIGHTS	
SENSORS	LIDARS
CAMERAS	1080P
LIGHTS	LED
TRANSPORTABILITY	
ON GROUND TRANSPORT	TOWABLE / TRAILER
AIR TRANSPORTABILITY	DESIGNED ACCORDING TO STANAG 3542
AIRLIFT	HELICOPTER UNDER-SLUNG
COMMUNICATIONS	
RADIO ENCRYPTION	2,4 GHZ MIMO MESH 4W AES256
MIFIK (MILREM'S INTELLIGENT FUNCTIONS KIT)	
FUNCTIONS	FOLLOW-ME, RETURN HOME, POINT-TO-POINT NAVIGATION, OBSTACLE DETECTION AND AVOIDANCE.



PRODUCT CATALOGUE



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