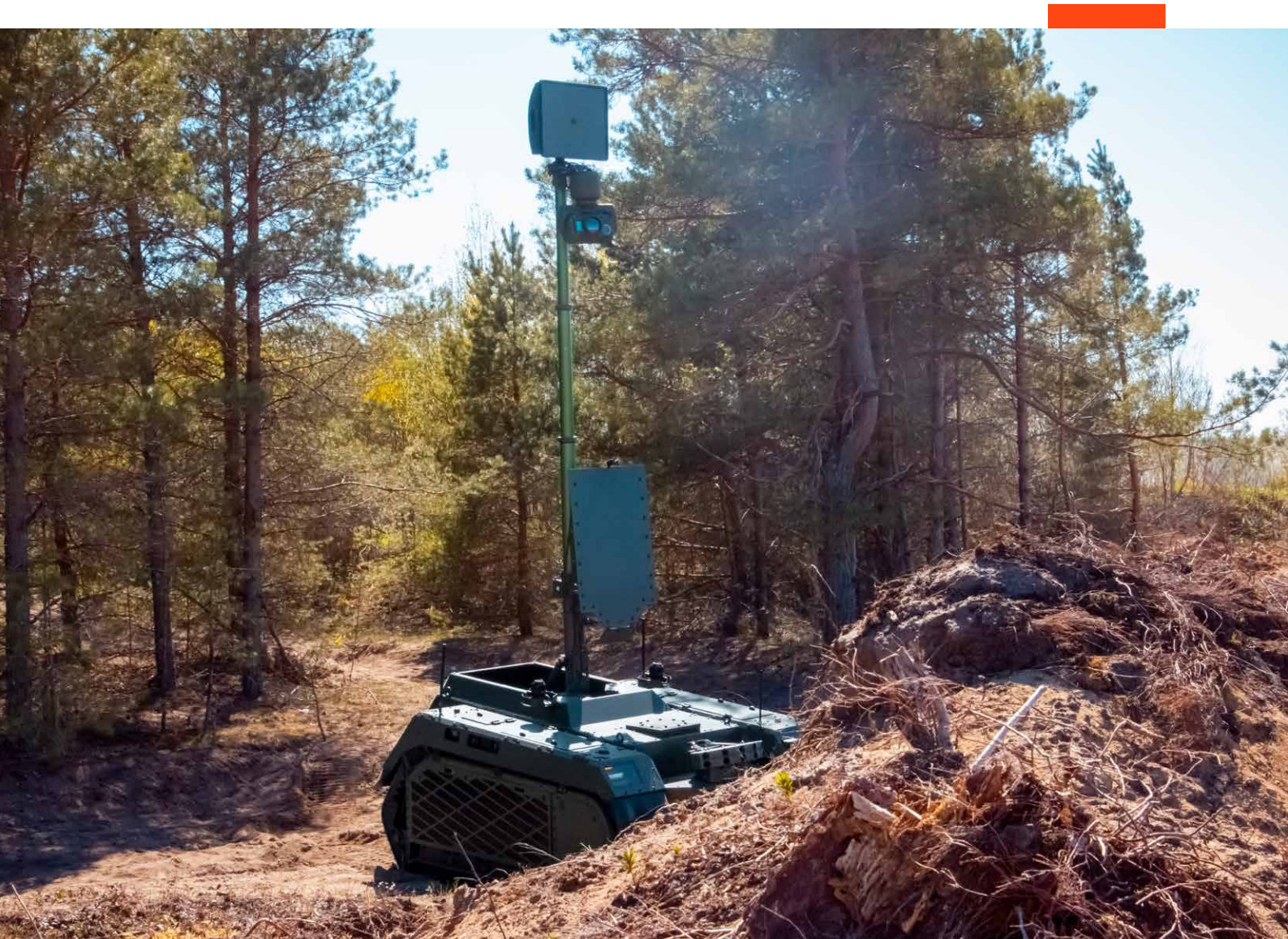




# INTELLIGENCE. SURVEILLANCE. RECONNAISSANCE.

THEMIS OBSERVE





# THEMIS OBSERVE



The THeMIS Observe UGV is built for tactical reconnaissance missions. The system includes a variety of sensors for day and night operations, acoustic gunshot detector, smoke screen protection and a ground surveillance radar.

The combination of those systems allows units to do multi sensor identification on one platform and react faster on emerging targets.







The THeMIS Observe significantly increases a tactical unit's reaction speed on targets as well as the stand-off distance from enemy units. Thanks to that the capability and survivability of tactical reconnaissance units will increase considerably.



# 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

## FN HERSTAL DEFENDER® LIGHT RWS (OPTIONAL)

- Accepts FN MAG®, FN MINIMI® 5.56 and 7.62
- Maximum elevation coverage from -60° in depression up to +80° in elevation
- 360° traverse
- Modular design offers a wide range of user-defined custom options
- Continuous drive motors
- Recocking actuator





## 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
- Track While Scan
- Day and night, all-weather capability
- Fire adjustment for artillery and mortar firing units
- Fast deployment and march-order

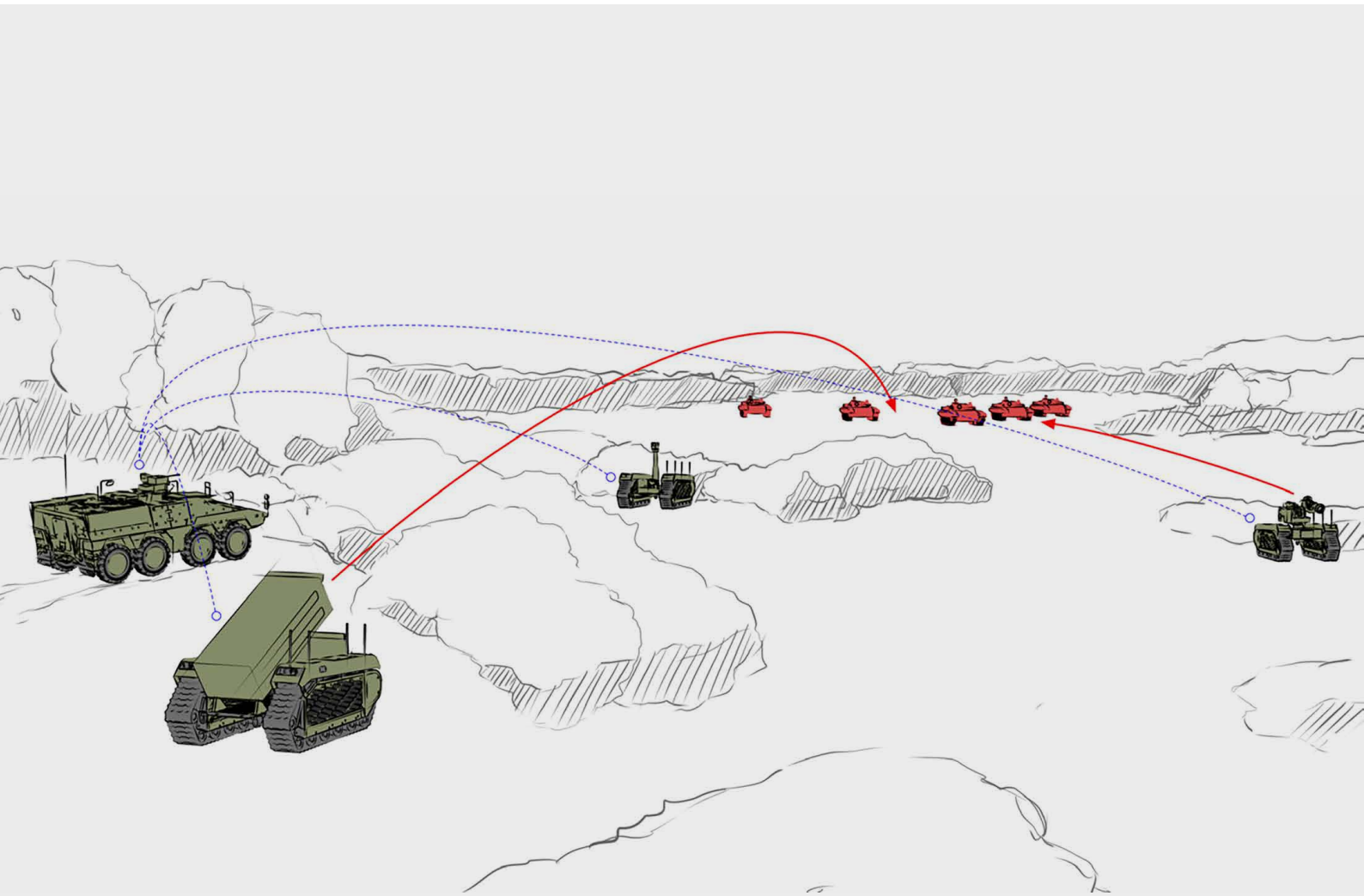
## METRAVIB DEFENCE PEARL SHOT DETECTION

- 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** 240 CM X 205 CM X 115 CM

**WEIGHT** 2100 KG

## PERFORMANCE / MOBILITY

**MAX. SPEED** 20 KM/H

**GROUND CLEARANCE** UP TO 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

## 360 DEG SENSORICS & LIGHTS

**CAMERAS** IR (MIL-STD-810G), THERMAL, HDR

**LIGHTS** LED

## TRANSPORTABILITY

**TOWING SPEED** UP TO 80 KM/H

**AIR TRANSPORTABILITY** DESIGNED ACCORDING TO STANAG 3542

**AIRLIFT** HELICOPTER UNDER-SLUNG

## APPEARANCE

**AVAILABLE COLORS** MIL GREEN, MIL DESERT

## MIFIK (MILREM'S INTELLIGENT FUNCTIONS KIT)

**FUNCTIONS** FOLLOW-ME,  
RETURN HOME,  
POINT-TO-POINT NAVIGATION,  
OBSTACLE DETECTION AND AVOIDANCE.



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