



An operationally proven multi-role UGV with an open architecture that enables it to be rapidly configured from transport to "strike" (weaponized), ordnance disposal, or to support intelligence operations according to the nature of the mission. Being enhanced with Milrem Robotics' intelligent functions kit makes the ThEMIS the most capable tactical autonomous ground vehicle for fulfilling missions in extreme and complex terrains and environments.

CARGO

- » CASEVAC
- » Supply & Resupply
- » Air transportable

OBSERVE

- » Situational awareness
- » Low visual, thermal and noise signature
- » Increased operational capability

COMBAT

- » Force multiplier
- » Direct & facilitate fire support
- » Anti-Tank

CIED/EOD

- » Standoff distance
- » Breach & Bypass obstacles
- » IED mine detection & clearance

INTELLIGENT FUNCTIONS

THE MISSION PLANNER

- » Plan and navigate routes
- » Behaviour based on location or event
- » Return home and track back functions
- » Localisation in GNSS denied environment
- » Radio signal emission control
- » Smart planning assistance
- » 2D and 3D LiDAR mapping
- » GIS data transfer and customization
- » Intuitive User Interface
- » Deep learning algorithms

SAFETY FEATURES

COMPLETE SAFETY SOLUTION

- » Obstacle detection and avoidance
- » Precision driving assistant
- » 720° awareness of the surroundings
- » Critical information warnings
- » Internal safety monitoring
- » Smart maintenance monitoring
- » Human in the loop architecture
- » SIL 3 compliant remote e-Stop

DEPLOYED IN MALI



HELICOPTER UNDERSLUNG



SPECIAL FEATURES


Diesel-Electric hybrid drivetrain enables lower fuel consumption, higher reliability, and reduced life cycle cost



PMS Brushless motors for higher efficiency and high torque across the speed range



Battery powered full electric mode for silent operations



Enhanced gap crossing capabilities for harsh terrains



Armouring up to STANAG 4569 level 3



Tactical MIMO Mesh IP radios for secured AES256 encrypted communication



Field serviceable with integrated toolkit

THeMIS UGV USERS


Estonia



Netherlands



USA



France



UK



Germany



Norway



Thailand



Indonesia

TECHNICAL SPECIFICATIONS
Dimensions

Dimensions _____ 240 cm x 205 cm x 115 cm

Weight _____ 1650 kg

Payload

Payload Weight (rated) _____ 750 kg

Payload Weight (max) _____ 1200 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

Line of sight control range _____ Up to 2 km

360 deg sensorics & lights

Sensors _____ LiDARs

Cameras _____ IR (MIL-STD-810G), Thermal, HDR

Lights _____ LED, IR

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