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.

**CASEVAC**
- Force multiplier

**Supply & Resupply**
- Direct & facilitate fire support
- Anti-Tank

**Air transportable**
- Standoff distance
- Breach & Bypass obstacles
- IED mine detection & clearance

**Situational awareness**
- Obstacle detection and avoidance
- Precision driving assistant
- 720° awareness of the surroundings

**Low visual, thermal and noise signature**
- 720° awareness of the surroundings
- Critical information warnings
- Internal safety monitoring

**Increased operational capability**
- Smart maintenance monitoring
- Human in the loop architecture
- SIL 3 compliant remote e-Stop

**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 UNDERSLING**
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