

MULTISCOPE CARGO

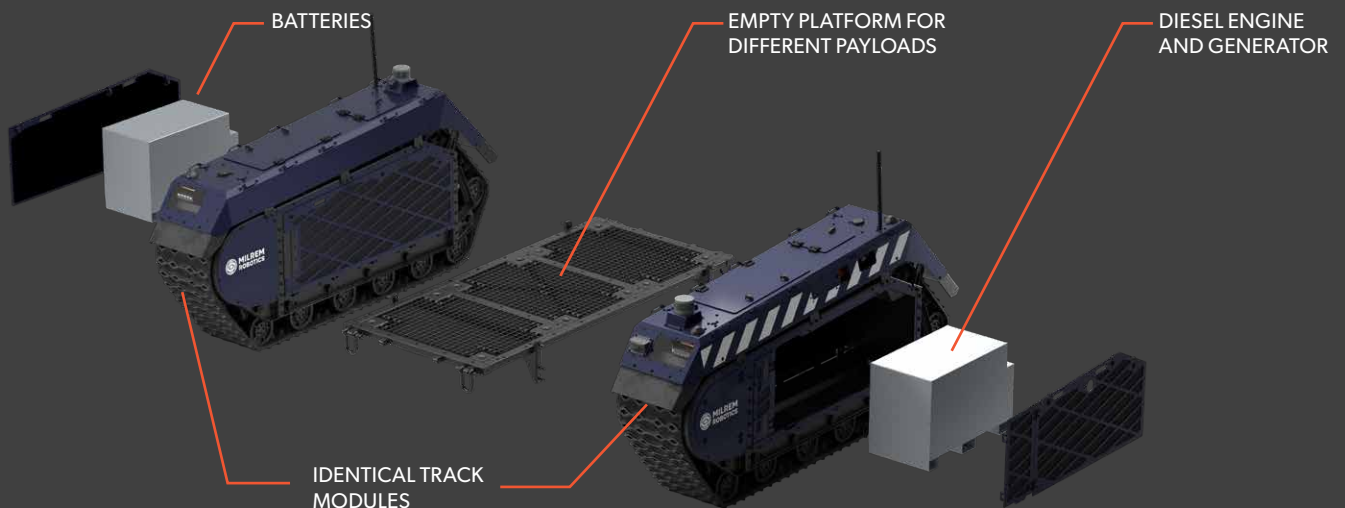
The Multiscope UGV is a cost-effective and flexible solution for the commercial and government sector. It is ideal for industries who wish to eliminate physical risk to their workforce, liberate people from dirty, dull, and dangerous tasks and benefit from automating processes.

The modular platform can withstand harsh conditions and reach areas that are difficult to reach with larger vehicles.

The Multiscope can be remotely controlled to transport heavy equipment and materials to hazardous places or used with Milrem's Intelligent Functions Kit (MIFIK) to perform tasks independently.



MODULES SYSTEM



TECHNICAL SPECIFICATIONS

UGV

Measures: 240 cm x 205 cm x 115cm

Weight: 1630kg

PAYLOAD AREA

Measures: 214 cm x 93 (adjustable) cm

Payload weight (rated): 750 kg

Payload weight (max): 1200 kg

360 DEG SENSORICS & LIGHTS

Sensors: LiDARs

Camera options: IR, Thermal, HDR

Lights: LED, IR

PERFORMANCE

Max. speed: 20 km/h

Ground clearance: 60...40 cm

Max. grade: 31 degrees / 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

TRANSPORTABILITY

Towing speed: Up to 80 km/h

Airlift: Helicopter under slung

INTELLIGENT FUNCTIONS KIT

INTELLIGENT FUNCTIONS

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

SAFETY FEATURES

- Obstacle detection and avoidance
- Precision driving assistant
- 360° awareness of the surroundings
- Critical information warnings
- Internal safety monitoring
- Smart maintenance monitoring
- Human in the loop architecture
- SIL 3 compliant remote e-Stop radios