MINK MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

MINK COUNTER UAS SYSTEM // MCUAS

MODULAR COMBAT SUPPORT VEHICLE

DESIGN AND SAFETY

PROTECTION LEVELS

- Protected passenger monocoque cell
- Ballistic protection on passenger cabin is STANAG level 2 as standard with STANAG level 3 optionally available.
- The blast frame and cabin floor act as a blast attenuating double skin, energy absorbing mechanism and provides exceptional safety characteristics for the occupants of the vehicle.

Mine & IED protection up to STANAG levels 3A & 3B

Protected engine compartment

- Radiator grill and engine compartment sides protected to STANAG level 2.
- Bonnet protected to STANAG level 2 at 45 degrees angle of incidence.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

TECHNICAL SPECIFICATIONS

Parameter	MCUAS Specification
Engine	6.7 l Cummins / 300 hp/ 223 kW 6.8 l MAN (OPTION) 340 hp/ 253 kW
Torque	1100Nm/ 1200NMm @1200 - 1800rpm
Transmission	Allison 6-speed Automatic
Engine Idle	750 - 850 rpm
Range	700 km
GVW/ Payload: MINK2 GVW/ Payload: MINK3	12,000 kg/ 2.700 kg, 2.000 kg (STANAG 2, 3) 20,000 kg/ 9.000 kg, 8.000 kg (STANAG 2, 3)
Alternator	24 V/ 360 A Standard: 1st belt: Alternator, Engine, water pump 2nd belt: AC system and auxiliary equipment
Batteries	x 2 at the front, inside engine compartment x 2 in the v-hull compartment (option)

Parameter	MCUAS Specification
Dimensions (LWH): MINK2 Dimensions (LWH): MINK3	6.120 x 2.370 x 2.640 mm 7.000 x 2.370 x 2.640 mm
Track Width/ Axle	1.908 mm/ 4x4 independet front/ rear
Wheel Base: MINK2 Wheel Base: MINK3	3.600 mm 3.830 mm
Ground Clearance	484 mm
Angle of approach/ departure	40 degrees
Obstacle Crossing	484 mm
Crew Capacity: MINK2 Crew Capacity: MINK3	6-8 10-12
Protection Level	STANAG 4569 3A/3B

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

TECHNICAL SPECIFICATIONS

PERFORMANCE
MCUAS STANDARD

Range	700km
Maximum Speed on Road	120km/h*

*Limited to tire manufacturer specifications

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment	Optional Equipment	
▪ CAN Bus Electrical System	▪ Customer equipment integration	▪ PA /Intercom system
▪ Forward and Rear View Cameras	▪ Self Recovery Winch	▪ Converter 24V to 220-230V
▪ Air Conditioning Unit, tropical or extreme desert options	▪ NBC overpressure filtration system	▪ Window wire mesh protection
▪ Central Tire Inflation System (CTIS)	▪ Sniper detection system	▪ Antenna mounts
▪ Run-flat inserts in all tires	▪ Fire suppression system underbody	▪ Rifle holders
▪ Anti-Locking Brake System (ABS)	▪ Smoke grenade launchers	▪ Wire cutters
▪ Central Main Switch	▪ Weapon mount*	▪ Camera recording system with DVR
▪ Battery protection system	▪ Turret options	▪ FLIR and thermal vision systems
▪ Mine blast certified seats	▪ Strobe lights	
▪ Multipoint seat belts	▪ IED Jamming systems	
▪ Towing Eyes	▪ Night Vision System	
▪ Black out lighting	▪ Fit for radio and navigation system	
▪ Engine fire suppression system		

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Capability Overview

The MINK C-UAS System is a specialized, compact interceptor system, designed to provide a cost-effective, high-precision "hard-kill" capability against small, maneuvering drone threats (Groups 1-3), including swarms. It fills a gap between short-range gun systems and expensive, traditional air defense missiles.

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Mission Role

MINK C-UAS System supports the following operational roles:

- Hard-Kill Interception: Unlike soft-kill methods (jamming/spoofing) that may fail against autonomous or hardened drones, C-UAS small missiles provide physical destruction of the target.
- Targeting Small Targets & Swarms: Specialized to neutralize small-to-medium-sized unmanned aerial systems.
- Cost-Effective Defense: Positioned as a low-cost, high-volume alternative to traditional, expensive surface-to-air missiles, enabling better economics for "one-shot one-kill" engagements.
- Anti-Access/Area Denial (A2/AD): Protecting critical infrastructure, military key installations and areas.

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Key Performance Characteristics

a. Range:

- Up to ~2 -10 km (variant-dependent, platform-dependent)

b. Guidance:

- Active Seeker & Fire-and-Forget
- Laser Guidance (High Precision)

c. Control:

- Fire Management Systems and integrated Battle Management Systems via secure datalink
- Real-time target acquisition, verification, and re-targeting

d. Accuracy:

- Achieve a "one-shot, one-kill" capability for individual drones and swarms
- AI-driven targeting and proximity-fused warheads

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Engagement Modes

MCUAS offers flexible engagement options:

- Fire-and-Forget Missile that features an active seeker to track targets and uses an air-burst mode to effectively neutralize drone swarms with a hard-kill warhead
- Airburst/Frag where the missile detonates near the drone, showering it with shrapnel (highly effective against swarms)
- Kinetic/Direct Collision: The interceptor rams the drone directly
- Terminal Homing: The missile uses an onboard seeker (IR or Radar) for final targeting.
- This flexibility of the platform allows different C-UAS System depending on the provided system.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Warhead Options

- Multi-purpose warhead configurations
    - + Air-Burst Warheads
    - + Forward-Firing Blast Fragmentation or CO_2 Fragmentation
    - + Kinetic Energy (Hit-to-Kill)
    - + High-Power Electromagnetic (HPEM)

a. Effective against:

- Small & Tactical Unmanned Aerial Systems (sUAS)
- Kamikaze/Loitering Munitions
- Drone Swarms
- Drones 1 - 3

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Platforms and Integration

MCUAS is platform-agnostic and can be integrated into:

- MINK2 4x4 Combat Cabin in STANAG 2 or STANAG 3
- MINK3 6x6 Combat Cabin in STANAG 2 or STANAG 3

The system is designed for rapid integration into NATO-standard vehicle architectures and battle management systems.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Survivability and Force Protection

- They provide essential security against the increasing, low-cost proliferation of drones.
- Detect, track, identify, and eliminate risks posed by unauthorized or hostile drones at an early stage
- Networked targeting enables third-party target designation

These features significantly enhance force survivability in high-threat environments.

Interoperability and Networking

- Compatible with NATO C2 and ISR networks
- Supports joint and combined operations, be part of network operations
- Enables sensor-to-shooter connectivity across domains

MINK C-UAS System aligns with NATO concepts such as Multi-Domain Operations (MDO), Joint Fires and NATO Combined Air Defence.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Operational Advantages

- Enhanced Situational Awareness and Early Warning
- Tailored and Adaptive Mitigation (Soft vs. Hard Kill)
- Operational Continuity and Security
- Mobility and Rapid Deployment
- Future-Proof and Integrated Defense

Summary Statement

MINK C-UAS System provides NATO forces with Counter-Unmanned Aerial Systems (C-UAS) provide critical operational advantages by delivering comprehensive, real-time, and 360-degree situational awareness, enabling the rapid detection, classification, and mitigation of unauthorized drones. These systems are essential for protecting critical infrastructure, military personnel, and civilian airspace from evolving, low-cost, and agile aerial threats.

PARTNERSHIP & CONTACT
SECTOR FOCUSED SOLUTIONS

GERMANTEC
CERTIFIED IN GERMANY

Our platforms support European defense autonomy and NATO interoperability, contributing directly to national security and industrial strength. Designed for seamless integration with allied forces, GermanTec vehicles align with EU strategic goals and compliance requirements.

→ Request a strategic briefing

GermanTec Automotive vehicles deliver modular, mission-flexible mobility and certified crew protection for peacekeeping, tactical, and border security operations. Our designs prioritize survivability and adaptability in demanding operational environments.

→ Schedule a demo ride

Open system architecture and standardized interfaces enable collaboration on next-generation vehicle systems. GermanTec Automotive is committed to co-development with European suppliers and supports local production networks.

→ Explore partnership opportunities

EMPOWERING MISSION SUCCESS THROUGH CERTIFIED GERMAN ENGINEERING

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 3834-2:2005

GERMANTEC
CERTIFIED IN GERMANY

GERMANTEC AUTOMOTIVE LTD

Kossuth Lajos utca 14-16, I/2,
Budapest, H-1053 Hungary

Phone: +36 1 270-9900
Fax: +36 1 270-9990

GERMANTEC AUTOMOTIVE FZ-LLC

FDBC1725
Compass Building,
Al Shohada Road,
AL Hamra Industrial Zone-FZ,
Ras Al Khaimah, United Arab Emirates

Phone: +971 7 207 75 12

sales@germantec-automotive.com
www.germantec-automotive.com