

MINK MODULAR COMBAT SUPPORT VEHICLE



CAPABILITY DESCRIPTION

 MINK RECONNAISSANCE VEHICLE // MRV

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

TECHNICAL SPECIFICATIONS

Parameter	MReS 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	12,000 kg/ 2.700 kg, 2.000 kg (STANAG 2, 3)
GVW/ Payload: MINK3	20,000 kg/ 9.000 kg, 8.000 kg (STANAG 2, 3)
Alternator	24 V/ 360 A Standard: 1 st belt: Alternator, Engine, water pump 2 nd belt: AC system and auxiliary equipment
Batteries	x 2 at the front, inside engine compartment x 2 in the v-hull compartment (option)

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

MODULAR COMBAT SUPPORT VEHICLE


TECHNICAL SPECIFICATIONS

PERFORMANCE MReS STANDARD


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



GRADEABILITY = 60%



TRENCH = 850 mm*



SIDE SLOPE = 35%

*Limited to tire manufacturer specifications

MODULAR COMBAT SUPPORT VEHICLE

STANDARD AND OPTIONAL EQUIPMENTS

STANDARD EQUIPMENT	OPTIONAL EQUIPMENT	
<ul style="list-style-type: none"> ▪ CAN Bus Electrical System ▪ Forward and Rear View Cameras ▪ Air Conditioning Unit, tropical or extreme desert options ▪ Central Tire Inflation System (CTIS) ▪ Run-flat inserts in all tires ▪ Anti-Locking Brake System (ABS) ▪ Central Main Switch ▪ Battery protection system ▪ Mine blast certified seats ▪ Multipoint seat belts ▪ Towing Eyes ▪ Black out lighting ▪ Engine fire suppression system 	<ul style="list-style-type: none"> ▪ Customer equipment integration ▪ Self Recovery Winch ▪ NBC overpressure filtration system ▪ Sniper detection system ▪ Fire suppression system underbody ▪ Smoke grenade launchers ▪ Weapon mount* ▪ Turret options ▪ Strobe lights ▪ IED Jamming systems ▪ Night Vision System ▪ Fit for radio and navigation system 	<ul style="list-style-type: none"> ▪ PA /Intercom system ▪ Converter 24V to 220-230V ▪ Window wire mesh protection ▪ Antenna mounts ▪ Rifle holders ▪ Wire cutters ▪ Camera recording system with DVR ▪ FLIR and thermal vision systems

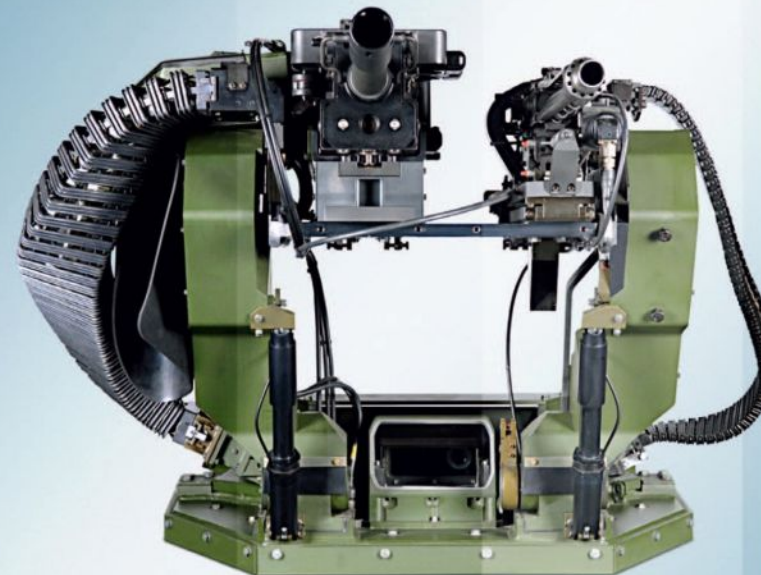
MODULAR COMBAT SUPPORT VEHICLE

WEAPON STATION WITH MULTI ARMAMENT CONFIGURATION

- Operating and reloading under full protection.
- Option to integrate most remote weapon stations.

Technical Data:

Caliber	Ammo Supply
5.56mm	400 rounds
7.62mm	350 rounds
12.7mm	170 rounds
40mm AGL	44 rounds
Traverse range	n x 360°
Elevation range	-10° to +45°
Bearing diameter	840mm
Weight standard configuration	265kg



MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Capability Overview

The MINK Reconnaissance System (MReS) is a fast, agile, 4x4 or 6x6 armored vehicle designed for scouting, surveillance, and target acquisition. They prioritize mobility and sensor suites over heavy armor, featuring specialized reconnaissance gear (cameras, thermal imagers) and light armament for defense. It is critical to modern, high-mobility warfare, functioning as the "eyes and ears" of combined arms teams.



MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Mission Role

MReS supports the following operational roles:

a. Primary Mission Role

- Reconnaissance & Scouting: Gathering intelligence on enemy locations, strengths, and dispositions while avoiding direct contact.
- Security (Screening/Guarding): Operating ahead of or on the flanks of larger, slower main forces to provide early warning and protection against surprises.
- Rapid Deployment & Mobility: Utilizing high speed and maneuverability (wheeled 4x4 or 6x6) for rapid, long-range reconnaissance missions.
- Intelligence Surveillance Reconnaissance (ISR): Equipped with advanced sensors, radar, and electro-optics (e.g., thermal, night vision) to monitor enemy activity.

b. Operational and Tactical Task

- Armed Reconnaissance: Unlike simple scout cars, combat reconnaissance vehicles are designed to fight for information, destroying light enemy screening forces to gain information.
- Convoy Escort & Security: Protecting logistics and troop movements in hostile environments.
- Command & Control (C2): Acting as mobile command centers with advanced, long-range communication equipment.
- Limited Defensive/Offensive Operations: Exploiting high mobility to perform hit-and-run attacks or support the commitment of reserves.

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Key Performance Characteristics

- Speed and Agility: High off-road performance and operational speed.
- Armor Protection: STANAG 4569 level 2 or 3, designed to protect against arms, artillery shell fragments, and mines/IEDs.
- Armament: Ranging from 7.62mm machine guns to 25mm/30mm chain guns or, engagement of light threats.
- Versatility: Modular systems allow for rapid changes between roles (recon, ambulance, command, recovery).



MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Engagement Modes

MReS offers flexible engagement options:

- Reconnaissance & Surveillance (RSTA): Primary role is to collect information over wide areas, often ahead of friendly forces. They facilitate surveillance by carrying dismounted scouts forward to conduct observations.
- Reconnaissance by Fire/Stealth: Designed to identify enemy positions, minefields, and antitank weapons while remaining undetected.
- "Hit and Run" Anti-Tank Engagement: Used for tactical ambushes, employing anti-tank guided missiles (ATGM) to attack armored targets from range, then rapidly maneuvering to new locations.
- Security & Screening: Performing screen missions to protect the main force by providing early warning and engaging light enemy reconnaissance units.
- Urban & Rapid Deployment: Due to high speed (often over 120 km/h) and agility, they are suitable for reconnaissance in complex, constrained environments.
- Support Roles: Depending on the configuration, they can be utilized for command and control, liaison, target acquisition, and as a light gun towing vehicle.

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Platforms and Integration

MReS 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

CAPABILITY DESCRIPTION

Interoperability and Networking

- Compatible with NATO C2 and ISR networks
- Supports joint and combined operations
- Strategic Comms

MRV aligns with NATO concepts such as Multi-Domain Operations (MDO) and Joint Fires.

Operational Advantages

- High Tactical Agility.
- Rapid Deployment and Portability.
- Superior Strategic & Operational Mobility.
- Rapid Deployment and Air Transportability.
- Enhanced Urban Operations and Stealth.
- Sensor Platform Efficiency.

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Summary Statement

The MReS is a fast, agile, and armored platform designed for scouting, surveillance, and security missions, typically operating ahead of main forces to gather intelligence on enemy positions and terrain. The MRV prioritizes mobility and situational awareness over heavy armor, featuring 4x4 or 6x6 drivetrains, high power-to-weight ratios, and advanced sensor suites for reconnaissance.



PARTNERSHIP & CONTACT

SECTOR FOCUSED SOLUTIONS



Ministries

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](#)



Military

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](#)



Industry

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



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

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

This publication is issued to provide
outline information only. Specifications,
Design and Illustrations are subject to
change without prior notice.