

MINK MODULAR COMBAT SUPPORT VEHICLE



CAPABILITY DESCRIPTION

 MINK ANTI-TANK PRECISION GUIDED MISSILE SYSTEM// MATS

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	MATS 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	MATS 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 independent 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 MATS STANDARD

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



MODULAR COMBAT SUPPORT VEHICLE

STANDARD AND OPTIONAL EQUIPMENT

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

CAPABILITY DESCRIPTION

Capability Overview

The MATS is a long-range, precision-guided missile system designed to engage high-value and time-sensitive targets beyond the operator's direct line of sight. The system provides land forces with an organic deep-strike capability, enabling accurate fires while maintaining platform survivability and tactical standoff.

MATS is optimized for network-enabled operations, allowing integration into modern C4ISR architectures and joint fires frameworks.



MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Mission Role

MATS supports the following operational roles:

- Deep precision strike against armored and non-armored targets
- Engagement of concealed, urban, or defilade targets
- Counter-armor and counter-battery missions
- Close support and shaping fires in multi-domain operations

Key Performance Characteristics

a. Range:

- Up to ~25–32 km (variant-dependent, platform-dependent)

b. Guidance:

- Electro-optical (EO) / Imaging Infrared (IIR) seeker
- Fire-and-forget, fire-and-observe, and fire-and-update modes

c. Control:

- Man-in-the-loop (MITL) via secure datalink
- Real-time target acquisition, verification, and re-targeting

d. Accuracy:

- Very high single-shot probability of hit
- Reduced collateral damage through positive target identification

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Engagement Modes

MATS offers flexible engagement options:

- Fire-and-Forget: Autonomous terminal guidance after launch
- Fire-and-Observe: Operator monitors flight via live video feed
- Fire-and-Update: In-flight re-targeting or aim-point adjustment
- Abort Capability: Mission termination if conditions change

This flexibility supports compliance with Rules of Engagement (ROE) and minimizes fratricide and collateral effects.

Warhead Options

- Multi-purpose or tandem-warhead configurations

Effective against:

- Main battle tanks and armored vehicles
- Fortified positions and infrastructure
- Soft and semi-hard targets

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Platforms and Integration

MATS is platform-agnostic and can be integrated on:

- MINK 4x4 Double Cabin in STANAG 2 or STANAG 3
- MINK 6x6 Double 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

Survivability and Force Protection

- Beyond-line-of-sight engagement reduces exposure of launch platforms
- Remote operation allows launch from concealed or protected positions
- 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
- Enables sensor-to-shooter connectivity across domains

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

Operational Advantages

- Long-range precision without reliance on air assets
- Reduced logistical footprint compared to artillery systems
- High operational flexibility across mission sets
- Effective in complex terrain and adverse weather

MODULAR COMBAT SUPPORT VEHICLE

CAPABILITY DESCRIPTION

Summary Statement

MATS provides NATO forces with a highly precise, network-enabled, and survivable long-range strike capability. Its man-in-the-loop guidance, extended range, and platform flexibility make it a critical enabler for modern land operations, particularly in contested and complex operational environments.



PARTNERSHIP & CONTACT

SECTOR FOCUSED SOLUTIONS



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



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.