

MINK MODULAR COMBAT SUPPORT VEHICLE



CAPABILITY DESCRIPTION

 MINK ARMoured AMBULANCE SYSTEM // MAAS

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	MAAS 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	MAAS 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

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TECHNICAL SPECIFICATIONS

PERFORMANCE MAAS STANDARD

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



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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

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Capability Overview

MINK Armoured Ambulance System (MAAS) is a specialized tactical platform designed to combine armored protection with mobile medical care, allowing for the safe, rapid extraction and treatment of patients in high-risk environments such as combat zones, disaster areas, or riot-prone regions.

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CAPABILITY DESCRIPTION

Mission Role

MAAS supports the following operational roles:

- Protected Casualty Evacuation (CASEVAC): Extracting wounded personnel from "hot zones" under small arms fire, shrapnel, or in areas with high IED/mine threats.
- En-Route Critical Care: Providing a "rolling ER" capability, allowing medics to stabilize patients with specialized equipment (oxygen, monitors, suction) while moving.
- Tactical Medical Support: Maintaining pace with armored units to provide immediate, on-site medical treatment.
- Humanitarian Assistance: Safely transporting wounded civilians or aid workers in dangerous, unpredictable, or post-disaster environments.
- Combat Search and Rescue (CSAR): Assisting in the recovery of crews from disabled armored vehicles.



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CAPABILITY DESCRIPTION

Key Performance Characteristics and Requirements

- Personnel Capacity: Designed to hold 2 - 4 injured personnel (seated or stretcher) and a 2 – 4 person medical team.
- Medical Equipment: Fully equipped with Advanced Life Support (ALS) capabilities, including patient monitors, ventilators, defibrillators, IV hooks, and comprehensive first aid kits.
- Oxygen System: Securely mounted, often dual, oxygen cylinder systems with pressure regulators.
- Environment Control: Specialized, independent HVAC systems for the patient cabin and heavy-duty insulation to protect sensitive equipment and occupants from extreme external temperatures.
- Interior Design: Easy-to-clean, anti-bacterial surfaces, with secure storage cabinets for medical equipment.



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CAPABILITY DESCRIPTION

Engagement Modes

MAAS offers flexible engagement options:

- Tactical Casualty Evacuation (CASEVAC)
- High-Threat Protection Mode
- Active Conflict Zones and Battlefields, High-Risk Urban Environments and Tactical Operations, Humanitarian and Disaster Response.



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CAPABILITY DESCRIPTION

Platforms and Integration

MAAS 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, be part of network operations
- Interoperable with friendly comms ins

MAAS fulfilling NATO Standard AMedP-1.14 – Minimum Medical Design Requirements for Military Motor Vehicles.

Operational Advantages

- Offer critical operational advantages by combining advanced ballistic protection with specialized, high-intensity medical care in hostile or dangerous environments.
- Armoured ambulance vehicles (AMEVs) are specially designed, reinforced vehicles used to safely extract and treat casualties in high-threat, hostile, or active combat environments. They protect medical personnel and patients from gunfire, artillery, and improvised explosive devices (IEDs) while navigating rough terrain.

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Summary Statement

The MAAS as an armoured ambulance vehicle is a specialized tactical platform designed to provide protected, on-site emergency medical care and secure transport for casualties in high-risk, hostile, or war-torn environments. Unlike standard ambulances, these vehicles feature reinforced armored bodies, ballistic glass and blast-resistant, heavy-duty chassis to protect both patients and medical personnel from gunfire, mines, and IEDs.



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.

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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.

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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.

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ISO 3834-2:2005

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