MINK MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

MINK RECOVERY SYSTEM // MRS

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	MRS 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: MINK3	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	MRS Specification
Dimensions (LWH): MINK3	7.000 x 2.370 x 2.640 mm
Track Width/ Axle	1.908 mm/ 4x4 independet front/ rear
Wheel Base: MINK3	3.830 mm
Ground Clearance	484 mm
Angle of approach/ departure	40 degrees
Obstacle Crossing	484 mm
Crew Capacity: MINK3	2
Protection Level	STANAG 4569 3A/3B

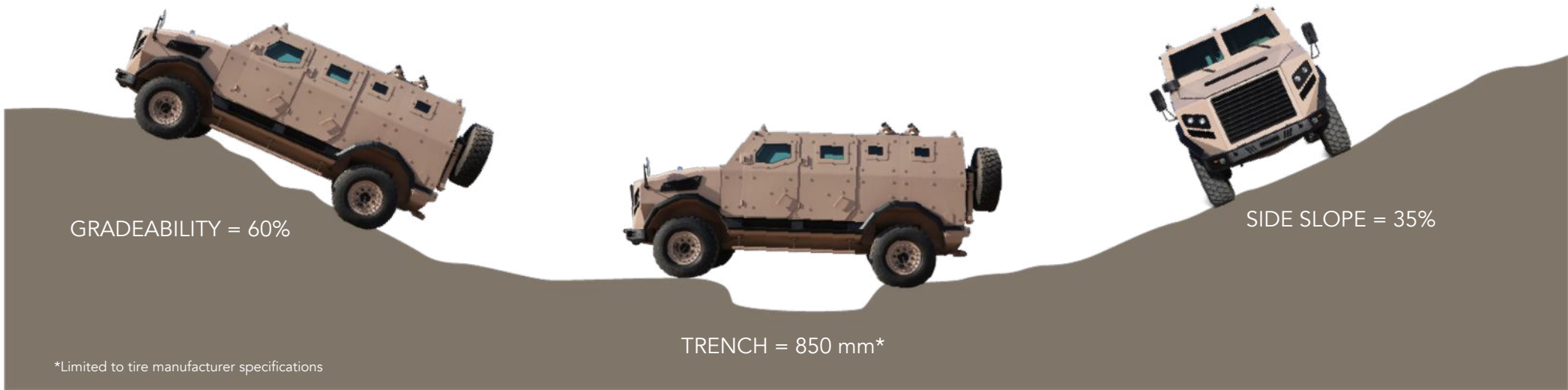
MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

TECHNICAL SPECIFICATIONS

PERFORMANCE
MRS 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 EQUIPMENTS

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 Recovery System (MRS) is a military recovery vehicle which is essential for modern armed forces because it provides high-speed, fuel-efficient, and versatile support for the rapidly growing number of wheeled combat platforms and armored cars. It offers significant advantage over tracked recovery vehicles in logistical, maintenance, and urban environments.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Mission Role

MRV supports the following operational roles:

- Support for Wheeled Fleets: As armies shift toward lighter, faster wheeled armored vehicles, they require recovery vehicles that can keep pace and have compatible maintenance requirements.
- Operational Mobility & Speed: Wheeled recovery vehicles, possess superior on-road speed, allowing them to rapidly reach, secure, and evacuate disabled vehicles.
- Efficiency & Lower Maintenance: Compared to tracked vehicles, wheeled recovery assets consume less fuel and require less maintenance, making them more cost-effective for operational support.
- Urban Environment Operations: They are better suited for operating in urban areas where they cause less damage to roads and are more maneuverable in confined spaces.
- Force Multipliers: They are versatile, often acting as all-in-one platforms for lifting, winching, and towing damaged assets, which helps prevent the loss of expensive equipment to the enemy.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Specific Functions

- Battlefield Recovery: Safely rescuing vehicles stuck in mud, sand, or water.
- Repair Capabilities: Assisting in on-the-spot maintenance under fire.
- Advanced Towing: Using methods like "suspend tow" for quick, efficient extraction.
- Mine-Resistant Support: Providing specialized recovery for MRAP vehicles in high-threat areas.

Key Performance Characteristics

a. Recovery and Lifting Capabilities

- Winching Power: High-capacity main winches are required, often with heavy-duty pulling power.
- Crane/Hoist Operations: Equipped with hydraulic cranes for replacing power packs, engines, and recovering vehicles.
- Dozer Blade: A front-mounted, heavy-duty hydraulic dozer blade is standard for anchoring during winching, clearing obstacles, and stabilizing the platform.

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

b. Mobility and Terrain Negotiation

- Drivetrain & Tires: 6x6 configurations with large, high-mobility run-flat tires.
- Central Tire Inflation System (CTIS): Allows for on-the-move tire pressure adjustment to maximize traction in sand, mud, or snow.
- Speed and Range: Designed for high road speeds (often >90–100 km/h) and a substantial cruising range (typically 700–1000 km).
- Obstacle Crossing: Capable of negotiating up to 60% gradients, 30-40% side slopes, and climbing vertical obstacles of 0.5m to 0.7m.
- Fording Ability: High ground clearance and fording capability, often up to 1.5 meters without preparation.

c. Survivability and Protection

- Armored Protection: Modular armor packages protect against ballistic threats, artillery fragments, and increasingly, IEDs/mines (MRAP standards).
- Crew Protection: V-shaped hulls are common to deflect blast energy away from the crew compartment.
- Environmental Control: Designed to operate in extreme climates, typically from +49°C to -32°C, featuring advanced cooling for high-performance engines

d. Engine Power:

- High-torque diesel engines to handle immense loads.
- Maintenance & Reliability: Designed for field maintainability, featuring easily accessible, modular components and a long, reliable life-cycle (e.g., 20+ years).

MODULAR COMBAT SUPPORT VEHICLE

GERMANTEC
CERTIFIED IN GERMANY

CAPABILITY DESCRIPTION

Platforms and Integration

MRS is platform-agnostic and can be integrated into:

- 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.

Operational Advantages

- Enhancing Mobility and Speed.
- Improve Logistic and Cost Effectiveness.
- Superior Recovery Capability.
- Survivability and Tactical Utility.

Summary Statement

MRS is a specialized, heavy-duty tactical platform designed to provide rapid, responsive recovery, lifting, and towing support to damaged, mired, or inoperable vehicles on the battlefield or in theater. These vehicles are essential for maintaining operational tempo, providing critical "under-armor" protection for crew members during recovery operations in high-threat environments.

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