

# MINK MODULAR COMBAT SUPPORT VEHICLE



# CAPABILITY DESCRIPTION

 MINK ARMoured PERSONNEL CARRIER // MAPC

# 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	MAPC 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 <sup>st</sup> belt: Alternator, Engine, water pump 2 <sup>nd</sup> belt: AC system and auxiliary equipment
Batteries	x 2 at the front, inside engine compartment x 2 in the v-hull compartment (option)

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

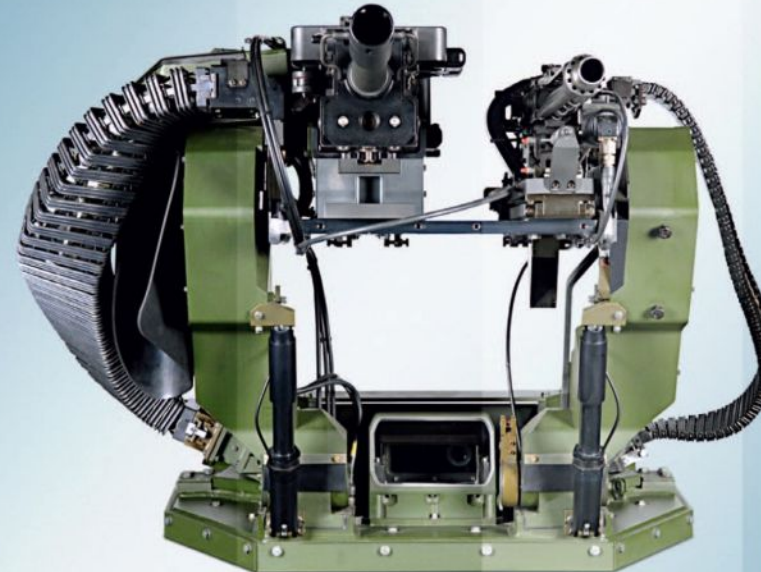
# MODULAR COMBAT SUPPORT VEHICLE

## 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 Armored Personnel Carrier (MAPC) is chosen for its high road speed, superior fuel efficiency, lower maintenance requirements, and ability to self-deploy over long distances without needing transporters. It is ideal for rapid deployment, urban operations, and logistical sustainability, offering a cost-effective, maneuverable solution for infantry transport.



# MODULAR COMBAT SUPPORT VEHICLE

## CAPABILITY DESCRIPTION

### Mission Role

MAPC supports the following operational roles:

- **Infantry Transport & Support:** Safely moving troops and equipment across varied, often challenging, terrains while offering protection from small arms fire, explosions, and ballistic threats.
- **Reconnaissance & Surveillance:** Acting as scouts for mechanized units to monitor enemy locations, strength, and movements.
- **Rapid Deployment & Air Transport:** Designed for quick deployment by air, making them ideal for rapid reaction forces.
- **Internal Security & Peacekeeping:** Providing a visible, protected presence in urban or volatile environments, often used in patrol and convoy escort roles.
- **Specialized Variants:** Modifying the base platform for roles such as command and control (C2) or COMMS platforms.



# MODULAR COMBAT SUPPORT VEHICLE

## CAPABILITY DESCRIPTION

### Key Performance Characteristics

a. Mobility and Speed:

- High Road Speed: The MAPC reaches speed of 120 km/h.
- Operational Range: Features long-range capability, reaching 700 km.
- Suspension and Tires: Equipped with independent suspension systems for rough terrain and Central Tire Inflation Systems (CTIS) with run-flat capabilities.

b. Protection and Survivability:

- Ballistic Protection: Standardized protection, conforming to STANAG 4569 Level 2 (small arms fire) to Level 3 armored variants.
- Mine/IED Protection: V-shaped hull to protect against explosives.
- Crew Protection: Reinforced hull, armored cabin.

c. Operational Capacity and Armament:

- Troop Capacity: Capable of transporting 8–10 personnel, in addition to a crew of 2.
- Armament: Armed for defense, typically with remote weapon stations (RWS) supporting 7.62mm to 12.7mm machine guns, or up to 30mm autocannons.

# MODULAR COMBAT SUPPORT VEHICLE

## CAPABILITY DESCRIPTION

### Platforms and Integration

MAPC is platform-agnostic and can be integrated on:

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

#### a. Survivability Features

- **Armour Systems:** A High-hardness steel monocoque hull is standard.
- **V-Shaped Hull:** Specifically designed to deflect blast energy from IEDs and mines away from the crew compartment.
- **Spall Liners:** Internal linings that catch dangerous debris resulting from armor penetration.
- **Run-Flat Tyres:** Essential for maintaining mobility after taking fire or hitting mines.
- **Active Protection Systems (APS):** Advanced options are increasingly considered to defeat incoming ATGMs and FPV drones.

#### b. Force Protection Enhancements

- **Crew Survivability Cells:** Seating is attached to the roof or sidewalls, not to the floor, to mitigate blast impact on personnel.
- **Remote Weapon Stations (RWS):** Allows gunners to operate weaponry from within the armored cabin, reducing exposure.
- **Situational Awareness:** 360-degree cameras and advanced sensors provide day/night vision, crucial for detecting threats early.
- **Fire Suppression:** Automatic systems for both engine and crew compartments.

# MODULAR COMBAT SUPPORT VEHICLE

## CAPABILITY DESCRIPTION

### Interoperability and Networking

- Compatible with NATO C2 and ISR networks
- Supports joint and combined operations
- Enables sensor-to-shooter connectivity across domains

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

### Operational Advantages

- ✓ Rapid Deployment.
- ✓ High Speed and Maneuverability.
- ✓ Enhanced Urban Operations.
- ✓ Lower Weight.
- ✓ Operational Flexibility.
- ✓ Improved Logistical Support.



# MODULAR COMBAT SUPPORT VEHICLE

## CAPABILITY DESCRIPTION

### Summary Statement

MAPC is a versatile, high-mobility tactical vehicle designed for rapid troop deployment, reconnaissance, and security operations and other operational capability requirements. It features 4x4 or 6x6 configuration.



# 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.

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