

Patria

Armoured Modular Vehicle

PatriaAMV^{XP}



Patria AMV^{XP}

Win the fights

In a modern and complex warfare the need for extremely mobile and protected armoured wheeled vehicle with high fire power is increasing. Patria AMV^{XP} is a modular, high-performance and robust Armoured Wheeled Vehicle providing the superior protection and mobility. Patria's combat proven AMV-family has gained experience from various operations and has become an iconic part of the today's peacekeeping and crises management missions.

Patria - When it is not an option

Patria AMV^{XP} provides the performance and features of a multirole vehicle to win the fights. AMV^{XP} is perfect for any operations in any environment where you need the best mobility, survivability and fire power. We offer large scale of AMV^{XP} variants to meet the specific needs of our customers worldwide from hot deserts to arctic conditions.



Patria AMV^{XP}

Number 1 in the battlefield

Survivability

AMV^{XP} is available with highest level modular ballistic protection and potential for state-of-the-art active defence systems. With AMV^{XP} you can protect your troops against IED, NBC, ballistic threats of up to level K5+. AMV^{XP}'s mine protection is scalable even above STANAG level 4a/4b. AMV^{XP}'s optimized shape, low radar and thermal signature enable AMV^{XP}'s superior stealth features.

Mobility

AMV^{XP} has state-of-the-art fully independent hydropneumatic suspension system and extremely strong chassis construction for high speed off-road driving. AMV^{XP}'s easy to use and unrivalled mobility is based on high performance powerline together with an Integrated Terrain Control System (ITCS) and optional rear axle steering for enhanced manoeuvrability. It is supported by large wheel size and CTIS for low ground pressure, Run Flat system and ABS. AMV^{XP} is available with amphibious capability for water crossing and amphibious landing operations.

Firepower

AMV^{XP}'s chassis characteristics enable the use of any weapon system needed for engaging targets rapidly and with pinpoint accuracy. AMV^{XP} is ideal for integration of medium calibre weapon systems, direct fire cannon systems up to 120 mm, Patria Nemo 120 mm turreted mortar system and anti-tank or anti-aircraft missile systems. AMV^{XP}'s high payload with large internal volume enables carrying all weapon systems, ammunition and the crew equipment according to your mission needs.

Accomplish your mission: now and in the future

Together with networked interoperability, GVA interface and fully digitalized vehicle data and control systems with IoT solutions ensures your soldiers to have the best possible platform to meet their objectives. AMV^{XP}'s electrical power generation is measured to match the future requirements for C4I, Battlefield Management and Situational Awareness Systems, Health and Usage Monitoring System (HUMS) together with the vehicle's digital backbone.

Diverse mission requirements and rapidly changing environment leads to the fact that it is crucial to engage continuous and efficient product development to keep the equipment always up to date. Patria AMV^{XP} is the right choice for the coming decades. We guarantee reliable maintenance services that responds to future needs considering current environmental requirements. Whatever your critical mission requirements for the equipment, with AMV^{XP} it will be accomplished.



AMV^{XP} - Versions



ARMoured PERSONNEL CARRIER



INFANTRY FIGHTING VEHICLE



TANK DESTROYER



TURRETED MORTAR SYSTEM



COMMAND VEHICLE



RECONNAISSANCE VEHICLE



AMBULANCE VEHICLE (HIGH ROOF)



MEDICAL EVACUATION VEHICLE



ANTI-AIRCRAFT VEHICLE



ANTI-TANK VEHICLE



CBRN VEHICLE



COMMAND AND CONTROL



RECOVERY VEHICLE



ENGINEERING VEHICLE



RADAR VEHICLE



ELECTRONIC WARFARE VEHICLE

Technical specifications

Dimensions

Length 8,4 m
 Height over hull 2,4 m
 Width 2,8 m
 Track width 2,5 m
 Max payload 15 000 kg
 Max. combat weight 32 000 kg

Performance

Max. Speed >100 km/h
 Climbing capacity 60%
 Side slope, max 30%
 Obstacle 0,7 m
 Trench crossing 2,1 m
 Fording 1,8 m
 Operating distance 600-1000 km
 Swimming (optional) 6-10 km/h

Protection

Modular ballistic, mine and IED-protection system according to customers' requirements
 Readiness for future protection technologies

Electrical Power Generation

350 A generator, 560 A optional

Engine

Power output 450 kW
 Torque output 2250 Nm
 Engine type 6 inline

Transmission

Automatic 7+2 gears

Driveline

Continuous all-wheel drive
 ITCS Integrated Terrain Control System
 Hydraulically operated disc brakes with ABS
 CTIS Central Tyre Inflation System

Suspension

Fully independent suspension with double wishbones
 Hydropneumatic spring elements, height adjustment optional

Steering

Hydraulically assisted steering with mechanical linkage for 1st and 2nd axle, rear axle steering optional