

# **Patria** AMV XP

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Patria AMV XP is perfect for any operations in any environment where you need the best mobility, survivability and fire power.



**Protected Mobility and Defence Systems**

Protected Mobility and Defence Systems



Through Life Capability



Battlefield and Critical Systems



## EXTREME SURVIVABILITY

Finland is known for high technology and extreme resilience. The harsh nature and limited resources have pushed us to learn and innovate efficiently. Thorough preparation for the future is the backbone of our culture.

Patria has grown from its Finnish heritage to a modern and international defence and technology company with over 100 years of experience. We use resources wisely, create innovative solutions and build intelligent systems that provide extreme survivability in any condition. We work with our customers throughout the entire lifecycle to ensure maximum value. Honest and straightforward co-operation is at the core of our work.

We build exceptional partnerships that last through critical operations. That's what it takes when you stand for your sovereignty.

Trust us, we have been there.

## ULTIMATE AVAILABILITY

Optimize and extend your fleet availability with our digital solutions and new advanced capabilities. We have the widest experience of the market from different platforms in all domains.

Our commitment to your fleet on land, in the air and at sea means that we are with you throughout the entire lifecycle. We lead platform-independent, large-scale integration and upgrade programmes.

Your personnel are always well prepared with our systematic training. Seamless collaboration with your organization and partners creates the best price and quality ratio and ultimate fleet availability for you.

We know what is needed to keep your fleets fully optimized and operational.

**Patria - Extreme conditions embedded.**



## AMV XP - superior performance for modern warfare

Patria AMV XP 8x8 is a state-of-the-art, combat proven, modular, and robust armoured wheeled vehicle providing superior fire power, protection, and mobility.



### Win the fights

In a modern warfare and complex environment, the need for extremely mobile and protected armoured wheeled vehicle with high fire power is increasing.

Patria AMV XP 8x8 is a state-of-the-art modular, and robust armoured wheeled vehicle providing superior fire power, protection, and mobility. Our combat proven AMV family has gained experience from various operations and has become the trusted solution for protecting nations and their soldiers. Patria AMV XP is a cost effective and future proof solution for arising demands where sovereignty is at stake.

### Superior performance

Patria AMV XP provides the performance and features of a multi-role vehicle. Patria AMV XP has fully digitalized vehicle data and control systems. We offer large scale of AMV XP variants to meet the specific needs of our customers worldwide from hot deserts to arctic conditions. With AMV XP Patria provides ultimate security of supply via technology transfer program, local manufacturing concept, and through-life support together with local partners.

AMV XP is perfect for any operation in any environment where you need the best mobility, survivability and fire power.

### Survivability

AMV XP is available with highest level of modular ballistic protection and compatibility for state-of-the-art active and passive defence systems. With AMV XP troops can be protected against

IED, CBRN, and it has modular, scalable ballistic protection for up to STANAG level K5+ and mine protection even above STANAG level 4a/4b. AMV XP's optimised shape, low radar and thermal signature enable AMV XP's superior stealth features.

### Mobility

AMV XP has state-of-the-art fully independent hydro-pneumatic 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 drive line together with the superior suspension. It is supported by large wheel size and CTIS for low ground pressure, Run Flat system and optional rear axle steering for enhanced manoeuvrability. AMV XP is available with amphibious capability for water crossing and amphibious operations.

### Firepower

AMV XP's platform characteristics enable the use of any weapon system needed for engaging targets rapidly and with pinpoint accuracy.

AMV XP is ideal for integration of small and 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 weapon systems, ammunition, crew and crew equipment in an optimized solution to your mission needs.

## Technical specifications

### Dimensions

Length	8,1 m, optional 8,5 m
Height over hull	2,4 m, optional 2,7 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 range	800-1000 km
Swimming (optional)	6-9 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	2140 Nm
Engine	type 6 in-line diesel

### Transmission

Automatic 7+2 gears

### Driveline

Continuous all-wheel drive  
Hydraulically operated disc brakes with ABS  
Central Tyre Inflation System

### Suspension

Fully independent suspension with double wishbones  
Hydro-pneumatic spring elements, height adjustment optional

### Steering

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



## Accomplish your mission: now and in the future

Together with networked inter-operability, open architecture and fully digitalized vehicle data and control systems with readiness to wireless data transfer for fleet management solutions ensure troops to have the best possible platform to meet their objectives. AMV XP's onboard electrical power generation is designed 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 lead 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 respond to future needs through Patria's OPTIME solutions. Whatever your critical mission requirements for the equipment are, with AMV XP you are today ready for tomorrow, and the mission will be accomplished.

## Variants

Patria AMV XP 8x8 has been developed to provide optimal flexibility through modularity to be adaptable for a wide range of variants without changing vehicle platform structure and systems.



# Patria

When it is not an option.

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