

Flexible for various vehicles



Firing speed for land and sea

Patria Nemo is an ideal member of mechanised fleets. As a lightweight and remote-controlled system, it completes Patria's proven 120 mm mortar offering. In addition to 8x8-wheeled and tracked chassis, the turret can be mounted on lighter platforms, such as 6x6-wheeled vehicles and patrol vessels.

Patria Nemo releases the full potential of modern mortar systems. Its applicability for land and sea, its operation on the move, and its ability to communicate with other Nemo units and Patria's twin-barrel AMOS system, make it a long-awaited solution to the market's need. Joint operations between land and sea are a reality – at last.



Patria

Patria

Patria Land & Armament Oy
Vammaksentie 1, P.O. Box 18
FI-38201 Vammala

Autotehtaantie 6, P.O. Box 186
FI-13101 Hämeenlinna

Naulakatu 3
FI-33100 Tampere
FINLAND

Tel. +358 20 4691
www.patria.fi
land.armament@patria.fi

Patria Nemo

- Compact, mobile, turreted and remote-controlled mortar system
- High rate of fire
- Excellent crew protection
- Indirect, direct and MRSI capabilities
- Network-centric warfare management
- Fire-on-the-move capability (naval version)
- Rapid deployment
- Modular ballistic protection against infantry weapons and splinters
- NBC and muzzle blast protection
- Reduced carrier stresses
- Large on-board ammunition supply
- Compatible with all standard 120 smoothbore mortar ammunition as well as smart guided ammunition
- Full 360° traverse without limitations
- Customised and cost-efficient solutions

Characteristics

Turret

- Weight 1500 kg
- Traverse range n x 360°
- Elevation range -3° to +85°
- Laying system electrical/manual back-up automatic aiming remote-controlled turret
- Crew 2-3 in chassis compartment carrier dependent typically 50-60 rds
- Ammunition (total on-board)

Armament

- Mortar 120 mm smoothbore
- Barrel length 3000 mm
- Loading system electrical/semi-automatic
- Recoiling system hydro-pneumatic
- Secondary armament machine gun, smoke launchers

Performance

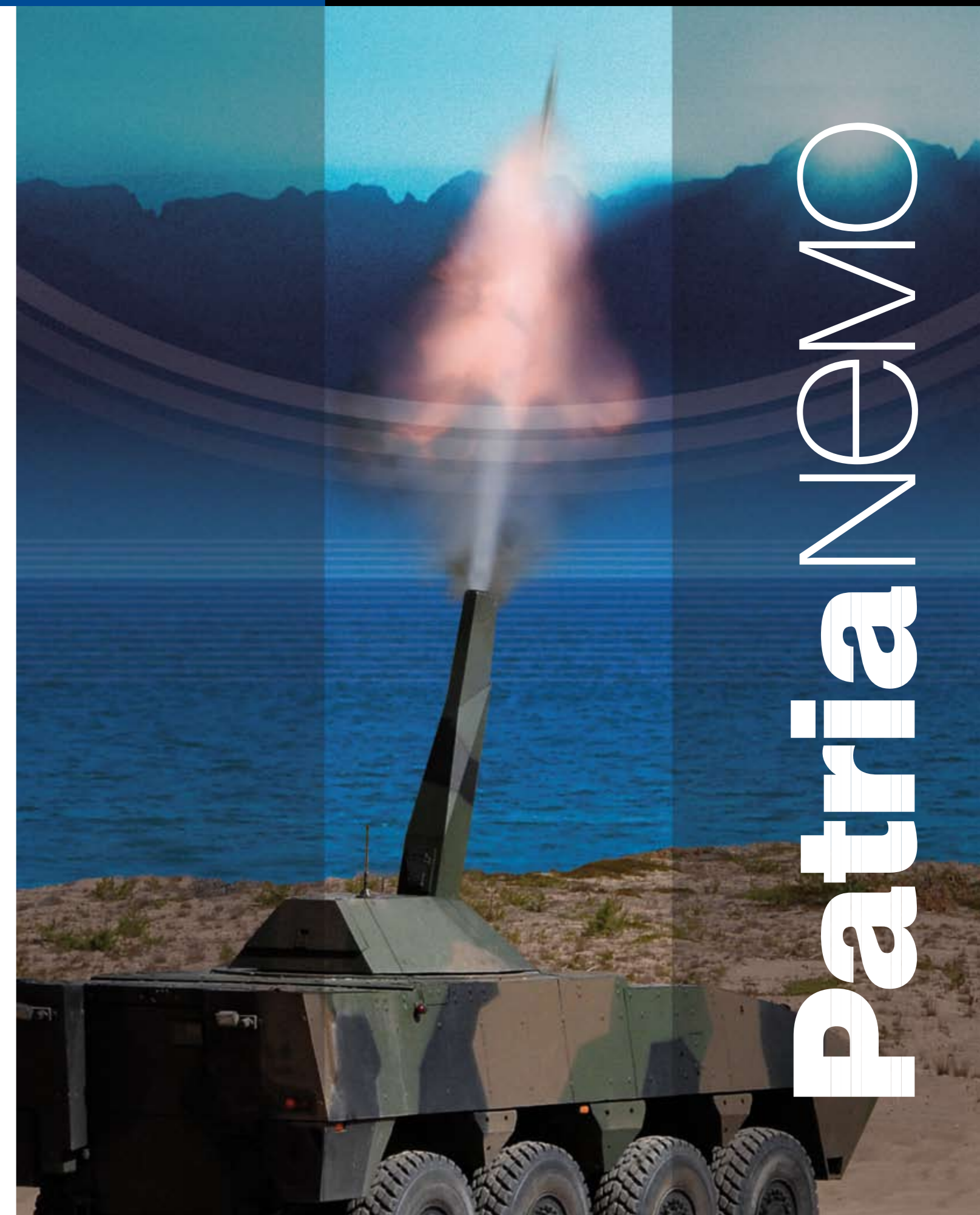
- Time to open fire < 30 sec
- Time to scoot < 10 sec
- Max. rate of fire 10 rds/min
- Sustained rate of fire 6 rds/min
- First 3 rounds 15 sec
- Range +10 km
- Multiple Rounds Simultaneous Impact MRSI up to 5 rds

Ammunition

All smoothbore mortar ammunition, e.g. ammunition family supplied by Patria.

Patria

120 mm Mortar System



Patria NEMO

Patria NEMO

for better battle performance



Patria Nemo is a compact and flexible mortar system for the needs of modern warfare and crisis management, which call for mobility, protection and accuracy. Designed by the industry's top professional, Patria, the light system can be mounted on various platforms, enabling rapid fire support for different purposes.

The new turreted, remote-controlled 120 mm mortar system consists of the weapon, loading device, turret, fire control system and ammunition storage, and is fully operational with a platform and ammunition. Its weapon technology is similar to that of AMOS, the twin-barrelled member of Patria's mortar family.

Patria Nemo is suitable for many purposes. Thanks to its indirect and direct fire capability, as well as its Multiple Rounds Simultaneous Impact (MRSI) capabilities, it can also be used for self-defence and continuous firing. Impressive fire support and rapid response with high crew protection – all in one.



Comprehensive fire control by sensor-to-shooter operations

Patria's indirect fire system enables the highest possible readiness for battle and crisis management. Thanks to its network of sensors and situational awareness, Patria's fire control system enables sensor-to-shooter operations.

A forward observer system is used for identifying the target and acquiring a full view of the situation on the battlefield. The fire control system produces fire support plans and fire missions, which are transmitted along a tactical data network to the command and control systems. Fire support decisions are made at the fire direction centre, and the Nemo units execute the fire missions – right on target.

Patria's indirect fire system for crisis management consists of:

- weapons and ammunition
- vehicles and vessels
- systems with integrated support functions:
 - tactical weather services
 - fire control system
 - communication systems
 - forward observer functions
 - unmanned aerial vehicles

