

# **Patria** NEMO Container

120 mm mortar system – 20 feet of firepower



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.

## SUPERIOR PERFORMANCE

Take your mission capabilities to new heights with Patria's future-proof vehicles, defence systems and armament.

At Patria we provide superior solutions to enhance operational capabilities in all conditions. Reliable performance, combined with the unique security of supply experience, makes us your trusted partner.

The best reward to us comes from those who have survived the toughest situations - thanks to the most combat-proven products.

We strengthen your mission capabilities in all conditions.

**Patria - Extreme conditions embedded.**



**Patria NEMO Container** is a unique, independent mortar system for the needs of modern warfare and crisis management, which call for mobility, protection, accuracy, modularity and flexibility.

This integration of 120 mm Patria NEMO mortar to a container enables rapid and effective fire support and unique mobility designed by the mortar systems top professional - Patria.

Patria NEMO Container - ingenious combination of 120 mm fire power with unforeseen modularity & mobility and nearly unlimited availability of platforms for containers.

Patria NEMO Container is a "plug-and-play" solution and it can be transported & fired on various land, sea & rail platforms as well as act as an independent firing unit at military bases. The container is a standalone system equipped with power unit and NBC/air conditioning. Ballistic protection of the container will be tailored to meet customer's requirements.

Turreted, remote-controlled 120 mm mortar system consists of weapon, loading device, turret, fire control system and ammunition storage, and is fully operational without modifications. Its proven weapon technology is based on Patria's over 80 years of experience with 120 mm mortars.

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

## Setting new standards for mortar mobility, protection and firepower

Patria NEMO Container is an ideal solution for stationary troops, e.g. camp site protection, but it is also suitable for mechanised fleets as well as of fast moving naval fleets. As fully independent and flexible system, it completes Patria's proven 120 mm mortar offering. In addition to heavy military trucks, the container can be transported also with lighter vehicles as long as they are suitable for delivering the container to desired location. In naval NEMO Container application the ideal platform is any vessel that can carry 20 ft container.





## Patria NEMO Container

- Construction Steel structure, heat insulated
- External Power Inlets » 400 VAC 16A  
» 230 VAC 16A
- External Power Outlets 3 x 230 VAC
- Auxiliary Power Unit Water -cooled generator
- AC/DC Converter Victron Energy, Phoenix Charger
- Air -Conditioning / Ventilation » Split-type cooling system  
» Heat recovery ventilation system  
» Air filters EN779 G4
- Air Compressor Gardner Denver Champion
- Lighting Internal lighting with LED lights
- Communication » Intercom: GFE ready  
» Radios: GFE ready
- Operating Temperature Range » -19°C...+49°C (Air Temp)  
» MIL-STD 810F: Basic and Hot
- Lifting ISO 3874
- Transportation » Onboard a ship: ISO 3874  
» Public roads: corner fittings, ISO 668 and 1161  
» flatrack interface, STANAG 2413

### Weights and dimensions

- Container Curb Weight without weapon system 6600 kg
- Container Gross Weight with weapon system including 100 rounds and 3 crew members 11400 kg
- Length 6058 mm
- Width 2438 mm
- Height 2591 mm

## Patria NEMO

### Turret

- Weight 1900 kg
- Traverse 360°
- Elevation range -3° to +85°
- Laying system electrical/manual back-up
- Remote-controlled turret
- Crew: 2-3
- Ammunition on-board: carrier dependent typically 50 - 60 rds

### Armament

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

### Performance

- Time to open fire < 25 sec
- Time to scoot immediate (Fire-On-the-Move)
- Max. rate of fire 10 rds/min
- Sustained rate of fire 6 rds/min
- First 3 rounds 15 sec
- Range 10+ km (ammo dependent)
- MRSI up to 5 rds on range of 1,0 to 6,5 km

### Ammunition

- All smoothbore mortar ammunition

# Patria

When if is not an option.

[www.patriagroup.com](http://www.patriagroup.com)