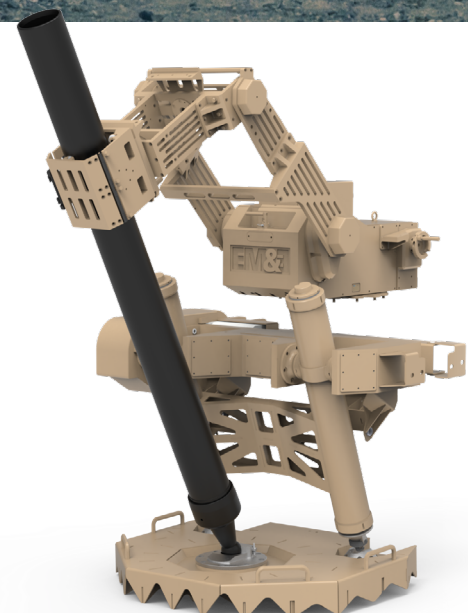




EM&E Group has developed the **lightest** 120 mm mortar carrier system of the market, combining **high mobility capabilities** with **maximum fire performance**.



EMOC

EM&E's **technical** and **productive capacity** ensures the system can be integrated seamlessly into any **light vehicle platform**, effectively eliminating the transfer of firing energy to the vehicle. This preserves the vehicle's structural integrity while maintaining operational effectiveness.

Similarly, **EMOC** is designed to maximize the performance of mortars by fully supporting their range and rate of fire. This **allows 81mm and 120mm calibers** to operate at their highest firing capacities, ensuring reliability and precision in any operational scenarios.

Technical data



EMOC

Montar Carrier System

- Power Supply:** 24 VDC
- Weight:** 850 kg
- Vertical targeting sector:** 800 Mills – 1511 Mills
- Elevation position prediction:** 2 Mil
- Azimuth targeting sector:** -1067 Mills – +1067 Mills
- Bearing position accuracy:** 2 Mil

Electronic Targeting System

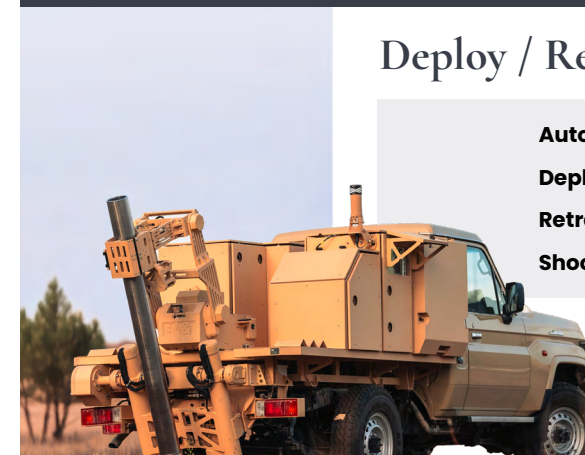
- Ballistic calculator for various ammunition types
- Aiming time – Barrel positioning: <5 s
- Re-aiming: <2 s
- Change of target: barrel positioning time 8 s
- Inertial navigation system: This is able to operate in GPS Denied environment
- MRSI capable

Mortar Weapon

- **Cannon length 81 mm** 1450 mm – 1800 mm
- **Cannon length 120 mm (with mortar bushing and breech lock assembly)** 1600 mm – 1800 mm
(Compatible with smooth and rifled mortar tubes)
- **Maximum range (See barrel and ammunition specifications)**
- **Certified range (with 1600 mm mortar and EM-120 ammunition)** 8450 m
- **Fire rate (See barrel and ammunition specifications)** – 15 shots/ Min (81 mm)
– 10 shots/ Min (120 mm)
- **Sustained firing rate:** – 6 shots / Min (81 mm)
– 4 shots / Min (120 mm)

Deploy / Retract

- Automatic deployment of mortar cannon and base plate**
- Deployment time (from offset position)** 15 – 20 s
- Retraction time (from travel pos.)** <20 – s
- Shoot and Scoot** 3 shots in under a minute



Vehicle requirements

- Load capacity:** >1 Ton