

RAIDER 4X4

ALL TERRAIN

MILITARY FIGHTING VEHICLE



RAIDER

4X4

ALL TERRAIN MILITARY FIGHTING VEHICLE

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Activities

Manufacturer of Special-purpose Machinery

- Before 1962: Mechanical and agricultural repairer
- From 1962 to 1990: Manufacturer of wine-making tools
- 1973-2005: Manufacturer of slicers
- 1991 to present: Manufacturer of hydrostatic transmission machines / Defence / Forestry / Snow clearance / Rail-road vehicles

Activities in 2025

- Defence
- Rail - including partnership with CATERPILLAR
- After-sales service - Support – Training

City of Nîmes

Historical Site

- Defence design office
- Prototype
- Small production
- Support
- Welding workshop
- Machine shop

Mass production

- Rail-road design office
- Mass production
- Paint shop hop



PRODUCT PORTFOLIO

Defence

SMALL ARMS



FIELD SUPPORT

TRAINING



PRODUCT PORTFOLIO

Defence



DEFENCE



RAIL-ROAD



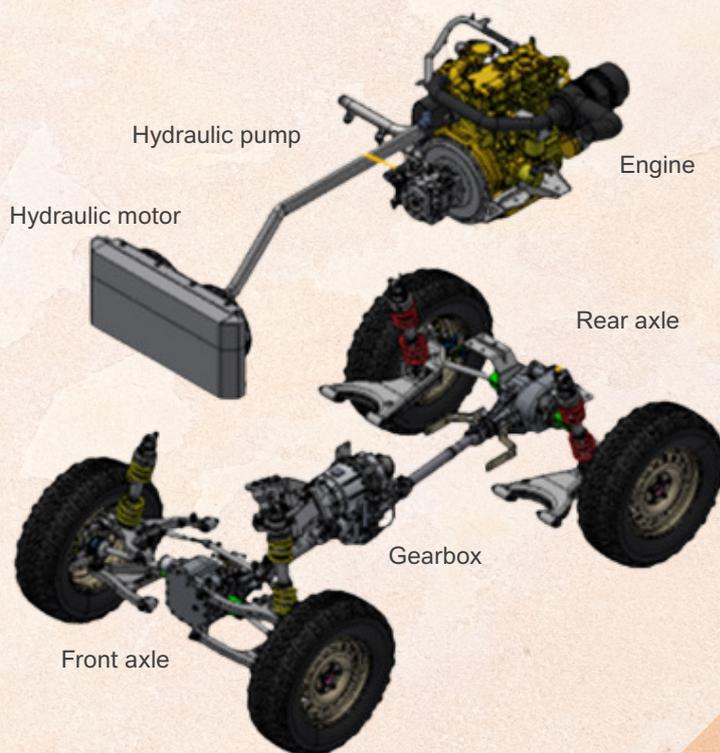
AFTER SALE SUPPORT

ARCHITECTURE



Modèle: CATERPILLAR C2.2 Turbocharged 4 cyl

- > Power 60 hp
- > RPM 2800 rpm
- > Capacity 2,2 l
- > Cylinders 4
- > Pollution EU Etape IIIA ou EPA Tier 4 Interim
- > Fuel Diesel, Jet fuel
- > OTAN fuel codes F-54, F-63, XF-10, XF-63



KINEMATIC

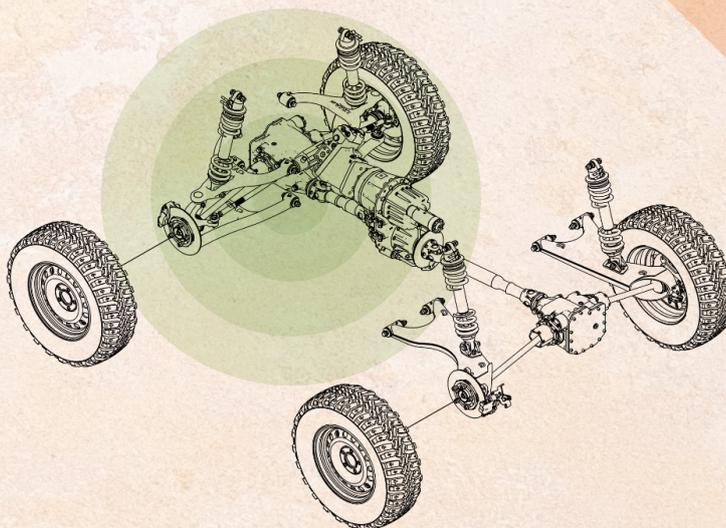
Transmission

- > Mechanic interlockable axle
- > Mechanic interlockable axle

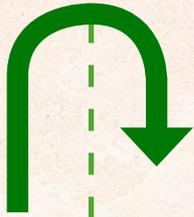
Suspension

- > Front : double wishbone
- > Rear : trailing arms

Brake disc for each wheel



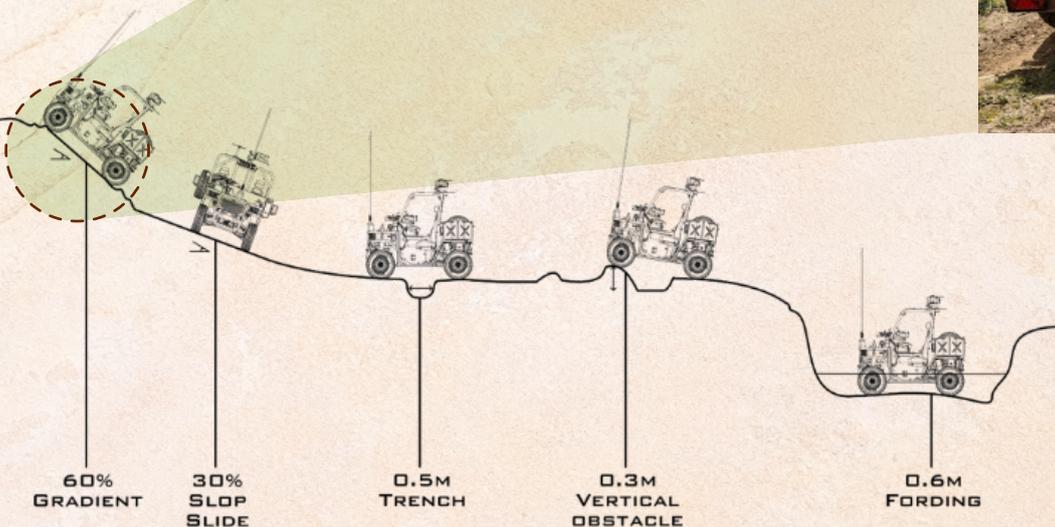
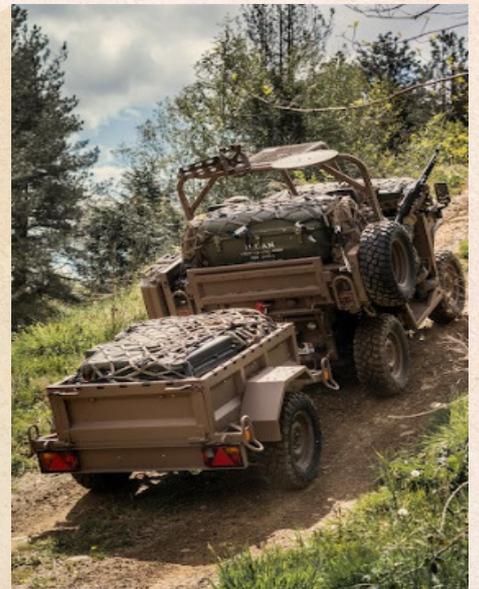
TURNING RADIUS



Turning radius:
4 meters (13 ft)



CROSSING CAPACITIES



WATER CUT CROSSING



TRAILER

Technical data:

- > Empty mass: 400 kg
- > Total allowed mass: 750 kg
- > Height: 386mm
- > Width: 950mm
- > Length: 1470mm

Main missions:

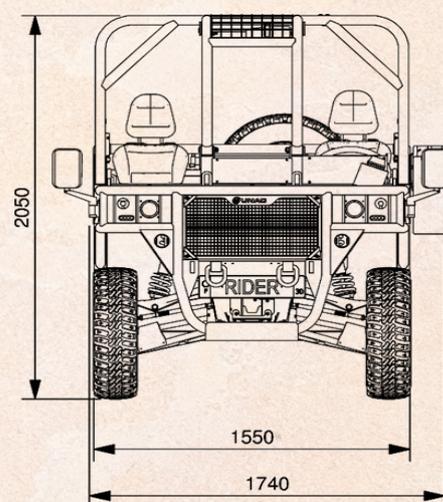
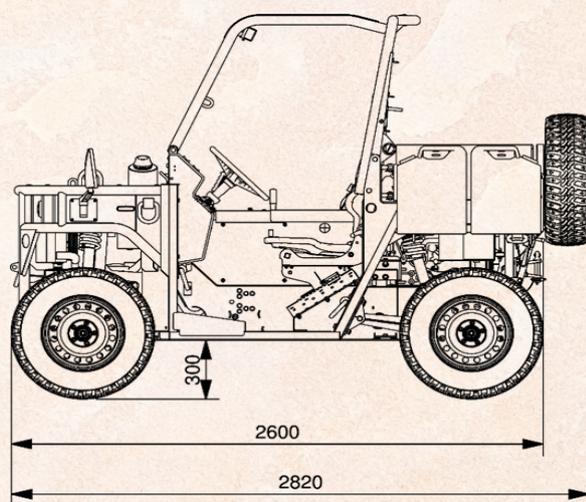
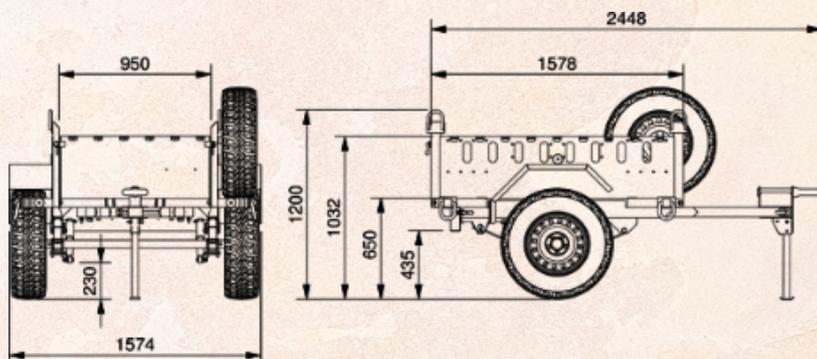
- > Transport of loads behind all types of vehicles
- > Deployment of logistic support by airlift, heli-transport, air-transport



LOGISTICS: SEA FREIGHT

20 Foot Container Configurations:

- > 2 RAIDERS
- > 1 RAIDER and/or 1 mortar 120mm
- > 1 RAIDER and/or 1 trailer



LOGISTICS: HELITRANSPORTABLE

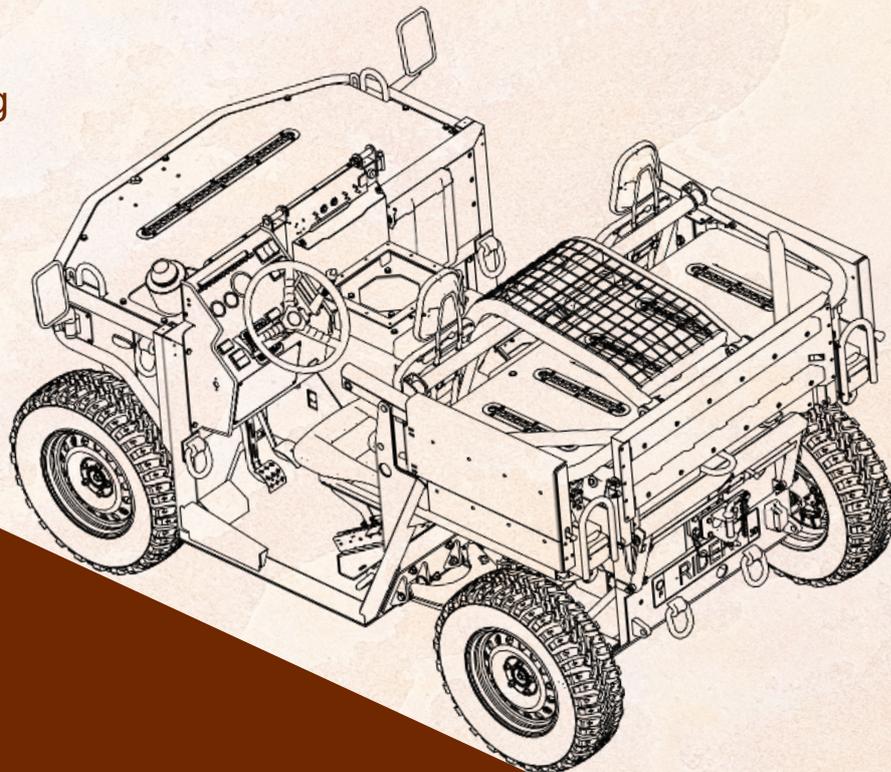
NH90 configuration: Cargo

> 1 RIDER or trailer or mortar

NH90 configurations: Sling

> 1 RIDER and/or 1 trailer

> 1 RIDER and/or 1 mortar





AIRPLANE	CN235	C160	C130	C130H30	A400M
Rider (empty weight)	2	4	4	6	10
Rider (maximum weight)		3	3	5	6
Rider + trailer (empty weight)	1	2	2	3	6
Rider + trailer (maximum weight)		2	1	2	3
Rider + mortar (empty weight)		2	2	3	6
Rider + mortar (maximum weight)		2	1	2	3



LOGISTICS: AIRDROPPABLE



A400M



C130



RAIDER 4X4

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Collective Weapon Holder



Spare Wheel



PR4G Radio Support



Winch



Jerrycan Holder



Logistics Tray



Antenna Support

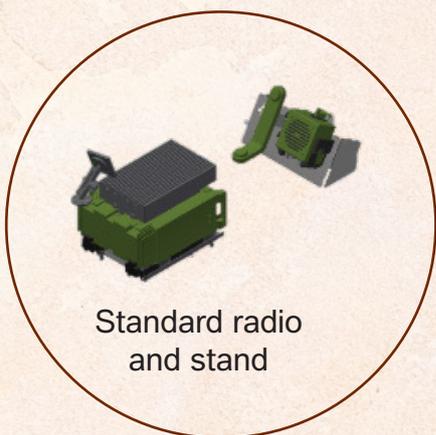
EQUIPMENTS



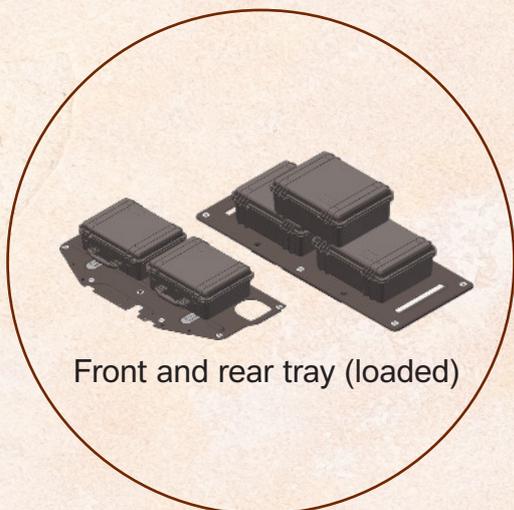
Winch



Covers for HK416



Standard radio
and stand



Front and rear tray (loaded)





Support weapon leader



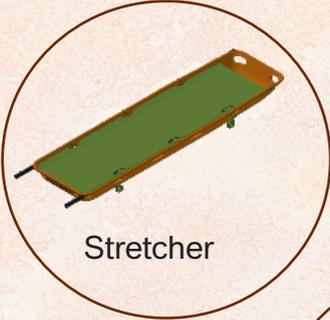
Hitching



Spare wheel



Arms holder



Stretcher



Jerrycan



DEPLOYABILITY



Combat Mule



MEDEVAC



120mm Mortar

COMBAT MULE

- Lightens the fighter
- Capable of towing a Mo120RT mortar
- Easy to handle
- Simple and robust
- No electronic module
 - > Airtransportable
 - > Helitransportable
 - > Airdroppable





- > Land border surveillance and protection
- > 120mm MGM mobile artillery battery
- > Anti-tank defense
- > Radio relay
- > Specialised units
(EOD; OPS Search; Divers; JTAC)



- > Autonomy: 300 to 600 kms
- > Max speed: 70 km/h at GVWR
- > Trailer payload: 350 kg
- > Vehcile Payload: 900 Kg



RAIDER

This is a high mobility, robust and compact 4x4 vehicle for special forces and rapid deployment forces. It can be airborne, heliborne or dropped by parachutes. It can tow a heavy-duty trailer.

- > **Short turning radius** of 5 meters
- > **High reliability** (no electronics)
- > **Simple** to use
- > **High combat** weight/curb weight ratio
- > **Various driving** modes
- > **High obstacles** crossing capabilities
- > **Large loading** surfaces
- > **High mobility** over cross country
- > **Continuous and smooth** speed variation



LOGISTICS: SEA FREIGHT

General Specifications

- > Unladen weight : 1800 kg
- > Maximum weight : 2600 kg
- > Overall length : 2600 mm
- > Overall width : 1600 mm
- > Overall height : 2150 mm
- > Ground clearance : 300 mm

Engine

- > Unladen weight : 1800 kg
- > Maximum weight : 2600 kg
- > Overall length : 2600 mm
- > Overall width : 1600 mm
- > Overall height : 2150 mm
- > Ground clearance : 300 mm

Hydraulic Systems

- > Closed hydraulic circuit
- > Max pressure: 450 bar
- > Hydraulic pump with hydraulic automotive control

Transmission

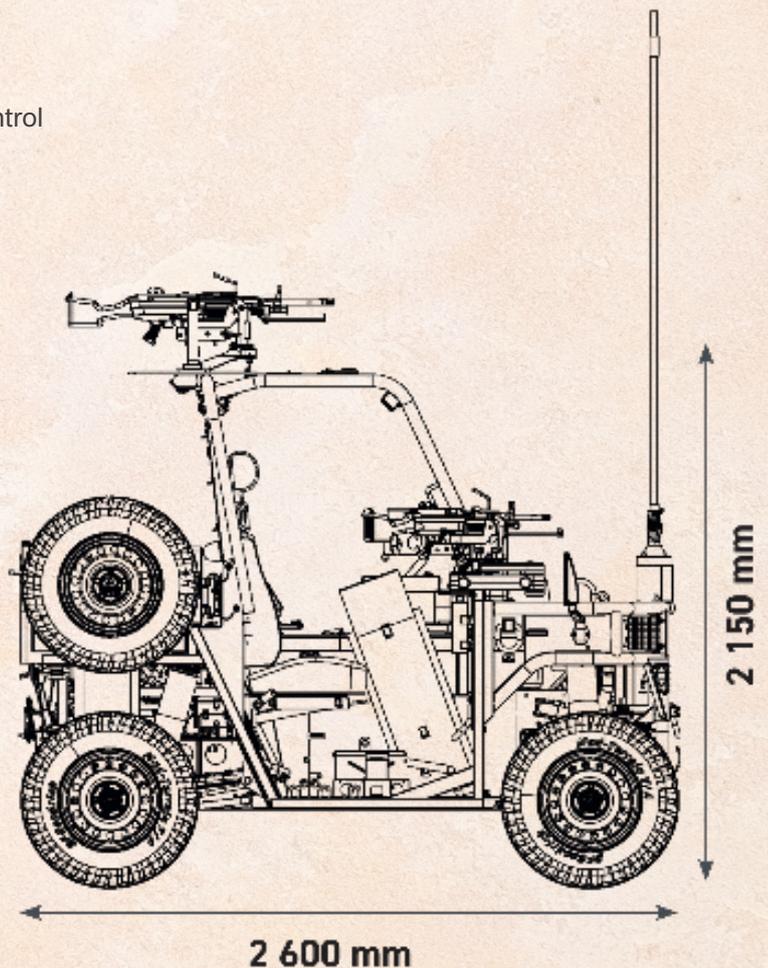
- Profile type 4x4 « All Terrain »
- > Dimensions : 215/75R15

Tires

- > Dog transfer case with 2 interlocking gears
- > Axles with lockable differential

Mobility

- > Air-droppable
- > Aerotransportable
- > Helitransportable

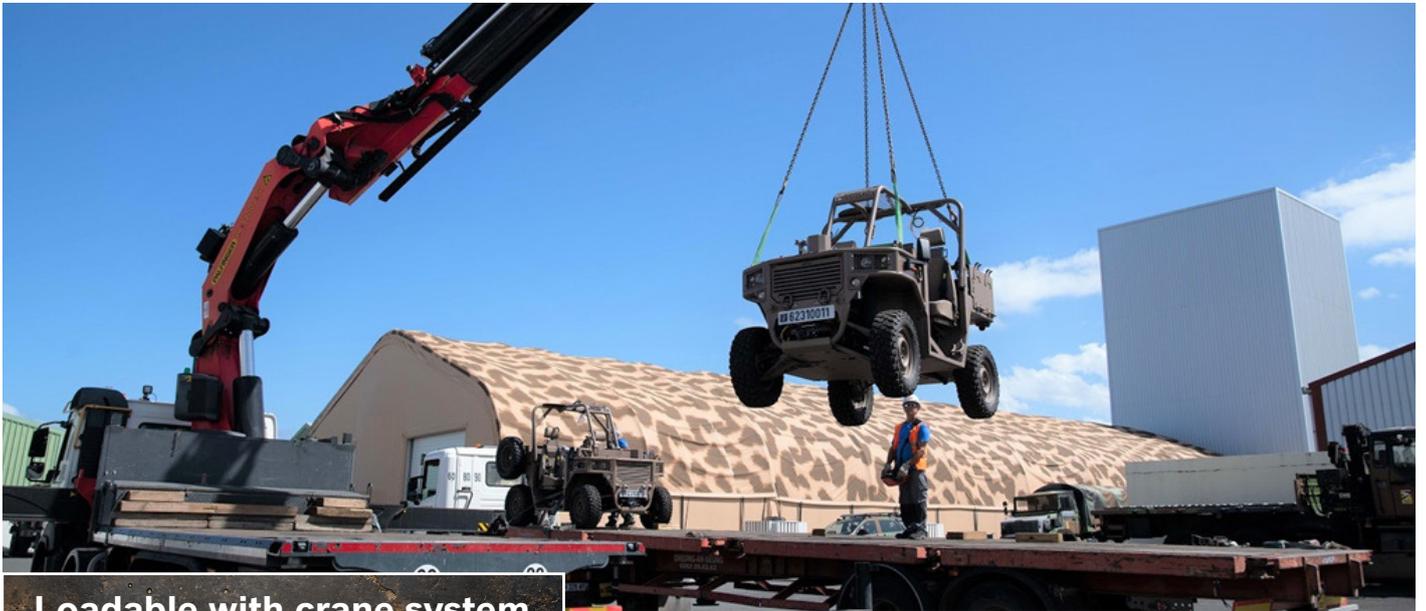


Water Fording Operations



Rapid deployment for instant mobility





Loadable with crane system



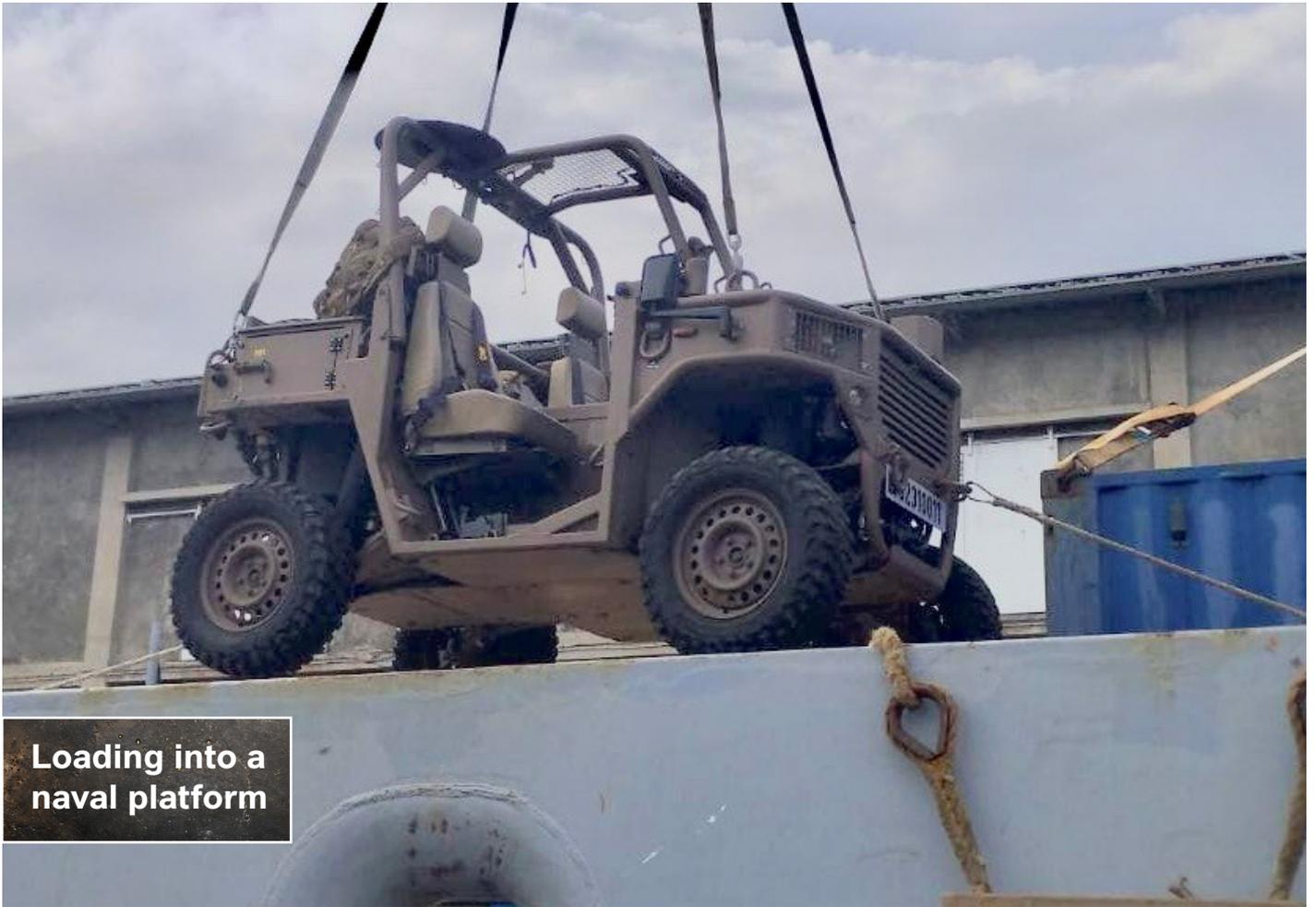
All Terrain

Fast Insertion



Steep inclines





Loading into a naval platform



Deployable via marine craft

Marine Patrol
Transportable





**Container
loadable**



ZODIAC Boats





**8th Marine
Infantry Parachute
Regiment –
Military Exercise**



**Small Tactical
Units**

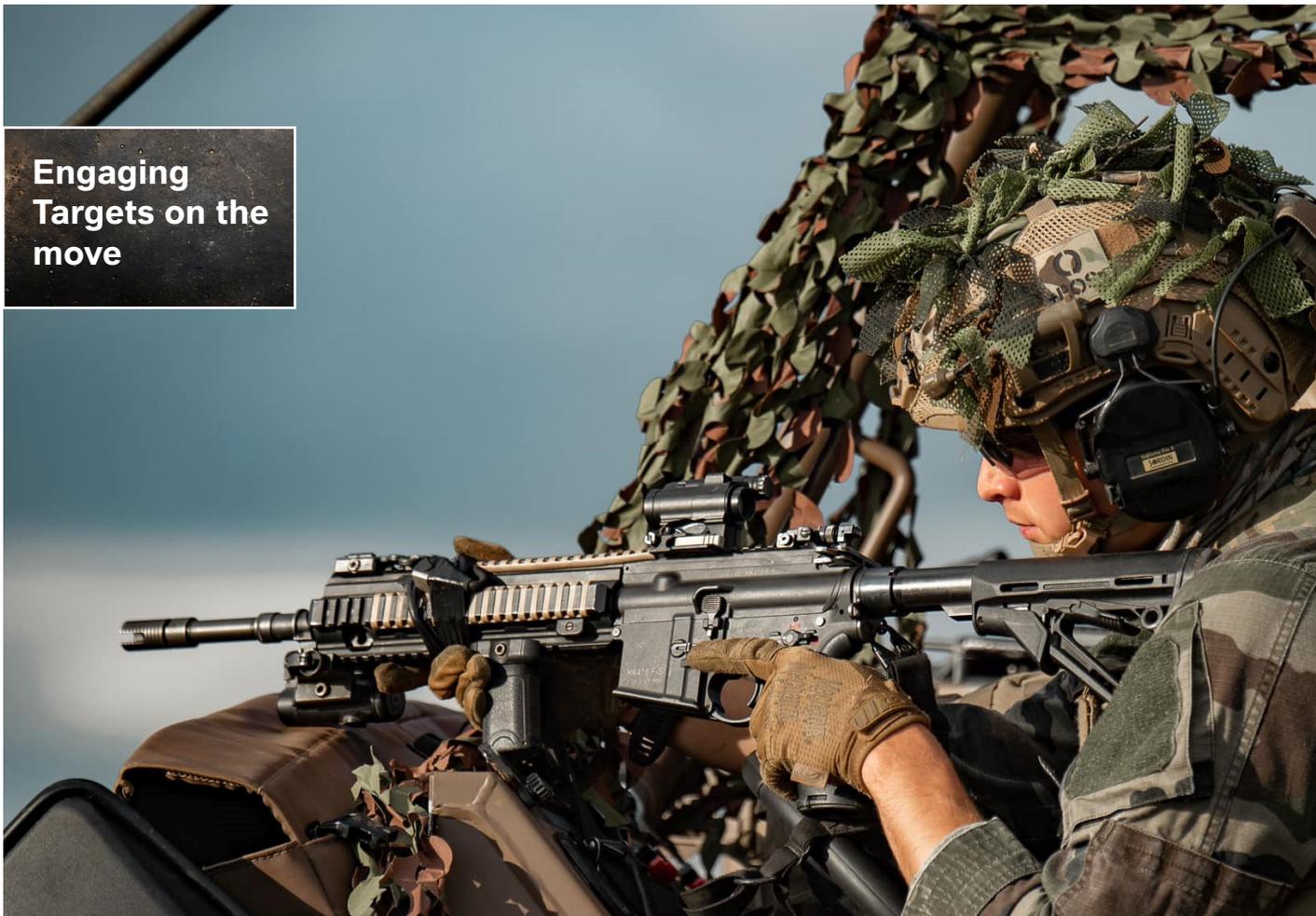


**Fire Power:
Medium Machine
Guns /Light
Machine Guns
mounted**



**Tactical
Operations –
Land Asset**

**Engaging
Targets on the
move**



**General Purpose
Machine Gun
Mounted**





Maintain a Line of Defence



Up to Minus 20 Degrees





Air Drop



Heli Transportable



120mm Mortar Tow



Patrol



Small Assault Teams

