

nexTER



VBCI

THE 8X8 ARMORED VEHICLES FAMILY BY NEXTER



VBCI

THE 8X8 COMBAT PROVEN REFERENCE

VBCI is the optimized balance between protection, mobility and payload.
From high-intensity combat missions to peacekeeping duties, the VBCI is the most efficient and versatile combat system of its generation.



VBCI

DEPLOYED IN OPERATIONS
BY THE FRENCH ARMY
IN AFGHANISTAN, IN LEBANON,
IN CENTRAL AFRICAN
REPUBLIC AND MALI.



UNRIVALLED OVERALL SURVIVABILITY

- Ballistic protection provided by the aluminium alloy hull with modular add-on armour including top attack
- High protection against mines
- Protection against IEDs (blast, splinters)
- Protection against RPG (modular add-on armour)
- Stealth (low radar and thermal signature)
- Soft-kill protection (infra-red jammer system, smoke-grenade launchers)
- NRBC protection

COMBAT PROVEN

- Deployed in Afghanistan, Lebanon, Central African Republic and Mali
- High efficiency and reliability in any type of field and with the most extreme weather conditions
- High firepower in every condition
- High mobility performance of a tracked vehicle off-road and of a wheeled vehicle on road
- Air transportable: C17; A400M
- Crew comfort for a fully equipped Infantry squad (Air conditioning system, large interior volume, suspension,...)

INNOVATIVE SERVICE SUPPORT CONCEPT

- Low "Life Cycle Cost" resulting from high reliability, optimized maintenance and the use of MOTS/COTS components.
- Powerpack
- Firing and driving simulators
- Logistic support service up to performance based contracts

A RANGE OF VEHICLES BASED ON A SAME PLATFORM

- Designed for long-term growth potential (survivability, payload, power supply) for a total combat gross vehicle weight up to 32 tons
- Variants:
 - Infantry Fighting Vehicle (IFV) with one-man 25mm turret, two-men 40mm turret and 30mm turret (two-men and RWS available)
 - Armored Fighting Vehicle with 40mm up to 105mm turret
 - Armored Personnel Carrier with RCWS 0.5, ARX 20, ARX 25 and 30mm
 - Mortar vehicle
 - Anti-tank missile vehicle
 - Command Post vehicle with RCWS 0.5, ARX 20, ARX 25 and 30mm
 - Ambulance
 - Recovery vehicle
 - Engineer vehicle



COMBAT
PROVEN

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VBCI | FEATURES AND SPECIFICATIONS

Weight And Dimensions

- Empty weight: 19 tons
- Payload: Up 13 tons
- Dimensions (chassis):
 - Length: < 8m
 - Width: < 3m
- Height: < 2.5m
- Usable interior volume: Greater than 13m³
- Carrying capacity: up to 11 men

Protection

- Ballistic:
 - Modular up to 30mm APFSDS ammunition
 - Light alloy hull, internal splinter protection, modular add-on armour plates
- Mines/IED's: Superior to STANAG 4569 AEP 55 Level 4 Mine blast absorption modules. Anti-blast seat
- RPG: Optional Kit
- Periscopes protection: Protected from laser
- Fire suppression system: Engine and crew/personnel compartment
- Missile protection: Infrared decoy (optional)
- Self-protection: Smoke grenade launcher systems (optional)

Vetric Systems

Battle Management System: Open electronic architecture (CAN, Ethernet) ready to be equipped with all C4I systems

Mobility

- Running gear:
 - 8-wheel drive, 2 front steering axles
 - 1 rear steering axle (optional)
 - 1 axle declutchable for road use
- Engine: Diesel 600 HP - Automatic gearbox (7+2)
- Suspension: Mixed oleopneumatic/mechanical with long travel
- Tyres:
 - Central tyre inflation system
 - Run flat device
- Speed/range: 100km/h / 750km (60mph/470 miles) (standard conditions)
- Fording/obstacle clearance:
 - Step: 80cm - Trench: 2m
 - Fording: 1.20m without preparation/1.50m with preparation
- Strategic transport: Road - Rail - Air transportable (C17, A400M)

Armament

Weapon systems: RWS 0,5, ARX20, ARX25, one-man 25mm turret, 30mm, 40CTA, to 105mm turret. Mortar, Anti-Tank missiles

Ergonomics & Human Factors

- Field of view:
 - Driver: 180° (day/night vision)
 - Commander: 360° (day/night vision)
- Interior layout: Interior layout compatible with the size of the future I.T. equipped infantry soldier (covering 95% of population)
- Stowage: External and internal



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Designed by La Factory - NEX141 - Ed. 01/2022 - Photographs: © Nexter