

Wheeled Vehicles

**Most versatile,
battle proven and
widely used armoured
wheeled vehicle**

PIRANHA





Certified Protection against the most significant threats



A modular, interchangeable protection system which can be adapted to the most different threat scenarios is available for PIRANHA vehicles. The vehicle hull, made of armoured steel forms the basis of this modular protection concept. Spall liners inside the hull reduce the remaining effects of threats exceeding the specifications.

An overall protection approach against mine threats has been realized in the PIRANHA.

Protection against blast mines (anti-tank mines without projectiles and fragments) is obtained through a protection module inside the vehicle, without affecting its mobility as well as through special seats and a careful definition of the fixations.



The unique independent suspension system with Central Tyre Inflation System (CTIS) and Anti-locking Brake System (ABS), the choice of tire sizes to suit any type of terrain, as well as the high power-to-weight ratio result in a class of wheeled vehicles with a mobility comparable to tracked vehicles, whilst still retaining its air-transportability.



Common platform for various missions and applications

The PIRANHA family of vehicles offers the features and performances required of a modern multirole vehicle, which is well suited to practically any battlefield or peace-keeping/peace enforcing role anywhere in the world.

Due to the design concept of this truly multipurpose vehicle, a wide range of special variants has been built according to the specific requirements of our various customers.

Selection of current configurations



Armoured Personnel Carrier
APC



Infantry Fighting Vehicle
IFV



NBC Reconnaissance Vehicle
NBC



Command, Control & Communication
C3



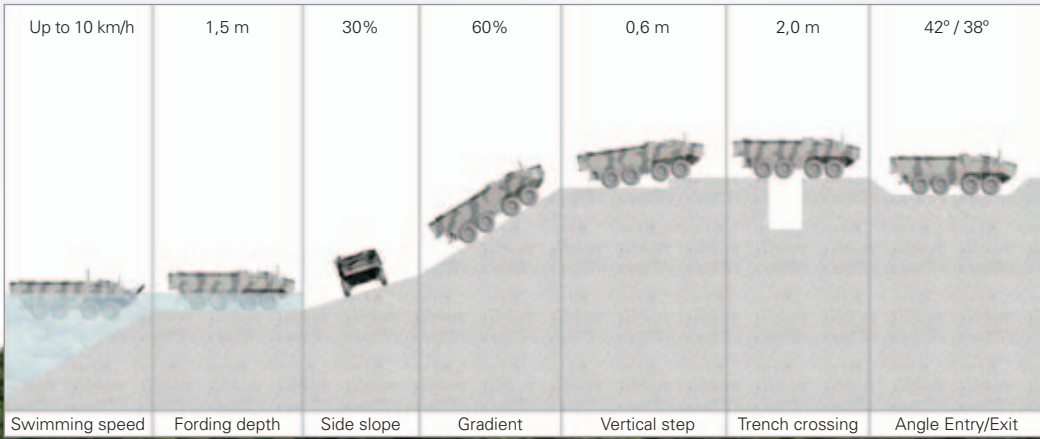
Maintenance, Recovery Vehicle
MRV



Ambulance Vehicle
AMB

**Field and battle proven capabilities,
adaptable to distinct operational scenarios
and low life cycle cost**





VEHICLE CONCEPT

- Vehicle platform in service with armed forces on all continents
- Continuous evolution to meet latest operational requirements
- Integration of latest cutting edge technologies in survivability and mobility
- Unique payload/gross vehicle weight ratio
- Compact vehicle size with great internal utilizable volume

SURVIVABILITY

- Modular, exchangeable protection concept adaptable to various threats
- Different add-on modules can be installed in the field for specific missions
- Ballistic protection against KE projectiles, fragments and bomblets
- Mine protection against AT blast mines, Claymore-type mines
- Protection against RPGs, EFPs, IEDs, artillery shells
- Active protection system against ATGMs

MOBILITY

- Independent wheel suspension with high vertical wheel travel
- Proven in all types of terrains under all climatic conditions
- High performance and outstanding reliability
- Optional amphibious capability in rivers, lakes and sea waters

STRATEGIC MOBILITY

- Easy to operate in public traffic, small roads, tracks and heavy off-road
- Deployable by rail, sea and air
- Roll-on/roll-off air transportability by C-130

POWER TRAIN

- Vehicle tailored and optimized power train; developed in-house and internationally licenced
- High power-to-weight ratio power pack
- Optional amphibious propeller drive with twin rudders

ELECTRONIC ARCHITECTURE

- High energy on-board generation
- Open architecture with pre-defined interfaces (for BMS, radios, etc.)
- Built-in test and diagnosis system

FIRE POWER

- Various weapon systems from 7.62 mm up to 105 mm cal. (+ 120 mm mortar) have been integrated/tested and are available as per customer requirements

INTEGRATED LOGISTIC SUPPORT

- Through life support – partnership
- Supportability through an integrated approach for maintenance and supply
- High system availability
- Ease of maintenance and low life cycle cost

GENERAL DYNAMICS
European Land Systems

Defense Solutions for the Future

General Dynamics
European Land Systems-Mowag GmbH
Unterseestrasse 65
8280 Kreuzlingen, Switzerland
Tel. +41 (0) 71 677 55 00
Fax +41 (0) 71 672 81 42
www.gdels.com