

Wheeled Vehicles

Armoured CBRN Reconnaissance Vehicle

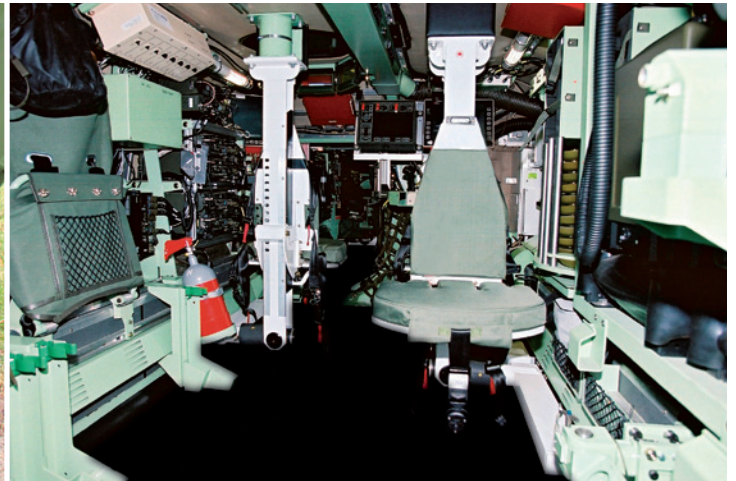
Highly mobile, quickly deployable, autonomous and well protected vehicle for the detection and analysis of Chemical, Biological, Radiological and Nuclear threats.

It monitors large areas, collects ground samples and marks contaminated zones. Equipped with all relevant alert systems, detectors and analyzing devices, it reliably discovers and identifies CBRN hazards.

The spacious protected internal room provides an ergonomical working layout for the crew for autonomous CBRN reconnaissance missions.

PIRANHA 3





Product Features

WEIGHTS		ENGINE		ENVIRONMENTAL CONDITIONS	
Ready for operation	16.5 t	Type	CATERPILLAR C9	The Baseline vehicle complies with MIL-STD-461E (EMC/EMI Electro-Magnetic Interference/Compatibility Standard)	
Payload	05.5 t	Fuel	Diesel		
Gross vehicle weight	22.0 t	Performance	298 kW (400 hp)		
		Torque	1600 Nm	BASELINE VEHICLE EQUIPMENT	
DIMENSIONS				Combined CBRN/Air conditioning system	
Overall length	7.24 m	TRANSMISSION		Fire extinguishing/explosion suppression system	
Height over hull	2.70 m	Manufacturer	ZF	Ballistic and mine protection: according to STANAG 4569, AEP55 certified	
Overall width	2.66 m	Mode of operation	Automatic		
Ground clearance	0.45 m	Number of gears	7 + 1 reverse		
Angle of approach	41 °			Other ballistic and mine protection solutions available on request IED protection solutions	
Angle of departure	35 °	DRIVELINE AND SUSPENSION			
Number of seats	4 + 1 (emergency seat)	Transfer case	Single speed gear		NBC RECONNAISSANCE EQUIPMENT
		Drive mode		Unique ground sampling system which enables collecting of samples under ballistic protection	
		Tires	365/80 R20		
PERFORMANCES WITH GVW		Suspension	Independent for each wheel,	Nuclear air monitor and detection instruments for radiation measurement	
Max. speed on roads	100 km/h	front	coil springs and control arms	Biological detection and alerting system	
Creep speed	below 3 km/h	rear	torsion bars		
Gradient	60 %	Shock absorbers	Hydraulic on all wheels	Bioaerosol collector for aerosol sampling	
Max. side slope	30 %	Brakes	Dual circuit air actuated brake	Chemical agent detector for CWA and TIC, with alerting system	
Max. climbing ability	0.60 m		system, ABS	Mobile mass spectrometer with wheel sampling unit for ground contamination sampling on the move	
Fording depth	1.40 m			Meteorological weather station	
Trench crossing ability	2.00 m	PROTECTION			
Turning circle diameter (curb-to-curb)	18.5 m ± 1 m	Modular, scaleable ballistic/Mine/IED and RPG protection solutions in accordance with customer specific requirements			
Range on roads	700 Km			MISSION CONTROL EQUIPMENT	
Voltage (DC)	24 V			Networked computer system with THALES CBRN suite for centralized sensor control and result evaluation	
Power-to-weight-ratio	13.5 kW/t	ARMAMENT (EXAMPLE)			
		Type	KONGSBERG remote weapon station	Communication system with VHF and HF connectivity	
		Weapon	12.7 mm machine gun M2HB	Navigation system with dead reckoning capability	
		Sights	day and night vision capability	Power management system for supervision and control of all power sources	
		Further features	stabilized fire control, laser range finder, target tracking		

Please note that the technical data refer to the baseline vehicle. They might vary due to configuration, version and mission.

GENERAL DYNAMICS
European Land Systems

General Dynamics
European Land Systems-Mowag GmbH
Unterseestrasse 65
8280 Kreuzlingen, Switzerland
Tel. +41 (0) 71 677 55 00
Fax +41 (0) 71 672 28 86
info.wheeledvehicles@gdels.com
www.gdels.com

© All company names and logos are copyright protected

The Company reserves the right to modify details, design and building methods in order to comply with the latest technical innovations.