



## AERO - High Mobility Vehicles for Airdrop

AERO vehicle is the 4WD high mobility vehicle manufactured and design by Auto Podlasie.

Since the year 2019 **in duty with success** in the Polish Airborne Forces.

AERO **has proved** your reliability, airdrop capabilities, taking actions in many international military exercises and military action. **The first** combat drop took place on June 10, 2020 during the international exercise **DEFENDER EUROPE 2020**.

### Description

The vehicle is adapted to transport cargo in various climate and terrain conditions. In particular is design to be airdropped from the military planes, transport by sea, rail and air on board C-130 Hercules, C295M CASA aircraft, on helicopters decks or attached under helicopters.

Low weight, small size, frame construction, proven drive system combined with a dynamic engine and 4WD make the vehicle with high off-road capability.

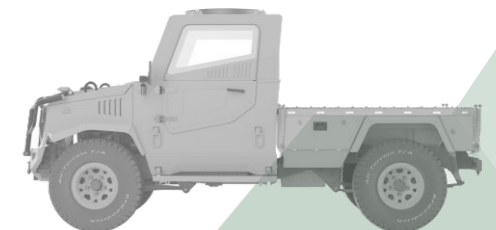
High quality materials and experience guarantee long-term trouble-free operation in the armed forces.

At the special request of the End User, various specialized versions of the vehicle's equipment and purpose are available, such as: cargo or special platform, 360 degree turret and gun mounts, personel carrier **and many more...**

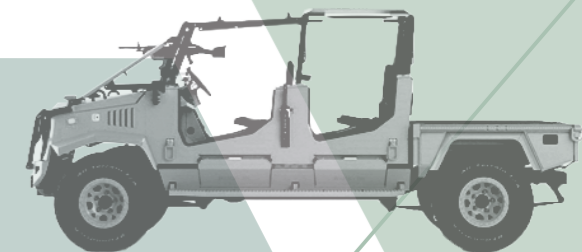
#### AERO vehicles family



AERO (One)



AERO 2



AERO 2 Long



Dimensions and weight	
Length:	3600 mm
Width:	2100 mm (w/o mirrors)
Height:	2300 mm (with spare wheel)
Height with folded cage:	1500 mm
Wheelbase:	2310 mm
Tread:	1515 mm
Curb weight:	2220 kg
GVM:	3500 kg
Load capacity:	1200 kg
Crew:	2 persons
Crew with seats set:	2+6 persons

Engine and driveline	
Type:	R6 in-line 1HZ Toyota
Engine capacity:	4,2 liter
Max. power:	130 HP / 3800 rpm
Max. torque:	290 Nm / 2000 rpm
Fuel tank:	80L + 10L
Fuel:	diesel or F-34
Gearbox:	Manual 5+R optional automatic
Drive:	4WD part time
Transfer case:	H2/H4/N/L4
Main gear ratio	4,3
Differential:	Front and rear with air lockers

Suspension, brakes and wheels	
Front:	axels, coil springs and hydraulic shock absorbers, stabilizer
Rear:	axels, leaf springs and hydraulic shock absorbers, stabilizer
Tires:	Tubeless AT 255/85/R16 runflat
Inflation system:	Passive optional active
Brakes:	Hydraulic with ABS system
Front:	Disc ventilated
Rear:	Disc or drum

Electric	
Winch:	Electric 3T front
Lighting:	Bulb, LED option, Black out
Battery:	12V 65 Ah AGM
Trailer socket:	12 pin NATO

*Wykorzystano w ulotce materiały 6 Brygady Powietrznodesantowej.*

### The AERO is intended for:

- ▶ Airdrop on the platform type PDS V 108" 12 ft. with two parachute type G-11 and extraction parachute;
- ▶ Transport on board aircrafts: C-130 HERCULES, C-295 CASA after folding cage), C-17 Globemaster;
- ▶ Transport under a helicopter on a rope;
- ▶ Self-loading, transportation of equipment and supplies at the landing field, including Container Delivery System CDS A-22;
- ▶ Transport equipment and supplies in the squad patrol as a "mule on wheels";
- ▶ Evacuation two sick or injured as a CASEVAC with two NATO standard Talon II stretchers on cargo platform;
- ▶ Towing a one or set of two special trailers using NATO standard coupler and sockets;
- ▶ Towing artillery weapon systems;
- ▶ Acting as a logistics vehicle with cargo platform up to 1,2 ton load;
- ▶ Acting as a personnel carrier with converted special seats set on cargo platform for 6 soldiers with equipment and weapons;
- ▶ Acting as a carrier of weapon systems equipped with turret (machine guns, grenade launchers);
- ▶ Acting as a universal, modular carrier for different modern weapon systems: drones, drone-kamikaze, ATGM launcher.

### Contact deitals:

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# One vehicle – many possibilities!

