



Automotive Robotic Industry Ltd.

AMSTAF on guard



Automotive Robotic Industry Ltd. (ARI) Specializes in development and marketing of **AMSTAF** – the Unmanned Ground Vehicle (UGV).  
Automotive Robotic Industry Ltd. is part of Automotive Equipment Group a leading Israeli automotive company.

**AMSTAF** - Multi mission, patrol, detect, pursuit and rescue.  
Based on the amphibious ODG ARGO 6X6 platform, Hybrid engine, with up to 12 hours of continuous operation.

The perfect solution for dangerous, dull & dirty missions.  
Can engage threats autonomously, as a single unit or as a flock.

**AMSTAF** is a Perfect solution for any terrain and is exclusive operational safety.

**AMSTAF** - operational capabilities :

- ◆ Positioning
- ◆ Mapping
- ◆ Path planning
- ◆ Obstacle detection and avoidance

Maximum speed 42Km/h on ground, 5Km/h in water.  
Climbing capability - up to 37 degrees and a 350kg payload

**AMSTAF** - a cost effective solution with short ROI – replacing manned security patrols.



- ◆ AMSTAF - A fully autonomous and collaborative security UGV
- ◆ AMSTAF - Multi missions, patrol, detect, pursuit and rescue.
- ◆ AMSTAF - The perfect solution for dangerous, dull & dirty missions.
- ◆ AMSTAF - A cost effective solution with short ROI – replacing manned security patrols.
- ◆ AMSTAF - Multi operational capabilities : Positioning, Mapping, Path planning, Obstacle detection and Avoidance.
- ◆ AMSTAF - The perfect solution for any terrain.

Electric Engine	Hains drive ma 72V
Generator	Cummins QG 2800, 2.8KV 120V, 60HZ
Horsepower	23
Battery	Li-FeSO4, 72V, 60Ah
Cooling	Air cooled
Drive System	Roller chains drive machined sprockets that are spline-fit onto 1 1/4" diameter axles. Bearings are greaseable and are protected with double-sealed outer flange assemblies.
Frame	Formed steel channel construction, welded for high strength and durability. Polyester powder coated for lasting protection.
Body	Vacuum formed High Molecular Weight Polyethylene
Full Skid Plate	Standard
Measurements	Length: 2.48 m, Width: 1.48 m Height: 1.04 m (without the ark)
Load Capacity - On Land	700 lbs/ 317 kg total
Load Capacity - Rear Compartment	140 lbs / 63kg max.
Load Capacity - On Water	500 lbs / 227 kg total
Towing Capacity	1400 lbs/635 kg
Fuel Capacity	7.1 US Gallons (27 litres) See through polyethylene fuel tank. 8 hours of operation based on load and operating conditions.
Speed (on land)	42 km per hour
Speed (on water)	3.5 mph / 5 km per hour
Shipping Weight	900 lbs / 408 kg
Axle Bearing Extensions	Front and Rear Standard
Tire	Argo 24 x 10.00-8 NHS
Ground Pressure	2.1 psi (14.5 kPa) using tires, 0.67 psi (4.6 kPa) using tracks
Ground Clearance Tires	9.5 inches - 240 mm
Ground Clearance Tracks	10.5 inches - 265 mm
Operating Conditions	All weather, all-terrain, -40°C to +40°C

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