



PARS 6X6 WHEELED ARMORED COMBAT VEHICLE

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MISSION SPECIFIC FEATURES

- Thermal cameras and CCD cameras in the front and rear, providing driver/ commander with high situational awareness
- Front and rear axle steering
- All wheel drive
- Anti lock braking system (ABS)
- Central tire inflation (CTI) and run flat tire inserts
- Self recovery winch
- Integrated survivability suite
- Modularity allowing use of common components among vehicle configurations
- Independent, Hydro-pneumatic suspension
- Hydraulic ramp





PARS 6X6 TECHNICAL SPECIFICATIONS

| GENERAL | |
|--|---|
| Combat Weight | 25.000 kg |
| Engine | Diesel |
| Crew | 8 |
| Length | < 7 m |
| Width | < 3 m |
| Height (Hull Roof) | < 2.5 m |
| Air Transportation | C130H, A400, C17, C5 |
| Transmission | Fully Automatic 6 Forward 1 Reverse |
| Power Pack Compliant with NATO Single Fuel Concept | Aviation F34 Fuel, JP8 |
| Number of Axles | 3 |
| Driven Axles | All |
| Steered Axles | 1, 3 |
| Transfer Case | 2 Speed |
| Suspension | Double Wishbone, Independent, Hydro-Pneumatic |
| Brakes | |
| Service | Air/Hydraulic with ABS at Each Wheel |
| Parking | Integral to Driveline, Spring Activated, Hydraulically Released |
| Electrical System | MIL STD 1275, MIL STD 461 |
| Tire Type | Heavy Duty 14.00 R20 |

| MOBILITY | |
|--------------------|-------------------------|
| Max. Road Speed | 100 km/h |
| Creep Speed | 3 km/h |
| Swimming | 8 km/h (With Propeller) |
| Range | 700+ km |
| Angle of Approach | 50° |
| Angle of Departure | 40° |
| Gradient | 60% |
| Side Slope | 30% |
| Vertical Obstacle | 0.70 m |
| Trench | 1.75 m |
| Turning Radius | < 7 m (Curb to Curb) |



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OVERVIEW

PARS 6X6 is the new generation of wheeled armored combat vehicle (WACV) designed and developed by FNSS Savunma Sistemleri A.Ş. PARS 6X6 has been developed with a special emphasis on mobility, protection, payload and growth potential. The vehicles employ the latest designs and technologies with special emphasis on the performance and durability of modern military operational requirements. The vehicles are available in 4X4, 6X6 and 8X8 configurations. FNSS has named the vehicles as PARS which in Turkish means "Anatolian Leopard".

Pars 6X6 is fitted with hydro pneumatic suspension, independent air suspension system is still an option for the customers. One of the most significant features of PARS 6X6 vehicles is situational awareness. Commander and driver sit side-by-side concept is standard in all PARS FoV's. For enhanced visibility, there are two thermal cameras in the front and rear, as well as two optical cameras at the front and rear. Local situational awareness is significantly enhanced.

The power pack is located at rear of the driver between the first and second axles. Left side located powerpack leaves an aisle on the right side for the commander and driver cockpit to access the rear troop compartment. The vehicle is provided with roof hatches and a power operated ramp at the rear and in addition there is an emergency hatch at the right side of the hull between the first and second road wheel stations. 8 personnel can be carried, depending on the role and the weapon system fitted on the vehicle. Foldable blast attenuation seats are used for crew and dismounts against mines and IED threats.

Powerpack consists of a water cooled diesel engine, coupled with a fully automatic transmission which gives a maximum road speed of up to 100 km/h.

PARS is fully amphibious being propelled in the water at a speed of up to 8 km/h by two water jets mounted one either side of the hull at the rear. The driver can deploy the trim vane at the front of the hull, activate the bilge pumps and activate the water jets without leaving his position.

The PARS 6X6 has an effective all wheel steering system that is equally well suited to high-speed highway driving or maneuvering in tight narrow urban streets.

Standard equipment fitted in the vehicle are NBC protection system, air conditioning, anti-lock braking system, central tire inflation system, run flat inserts and a self-recovery winch. The vehicle can be fitted with various weapons systems depending on the user requirements. The PARS vehicles feature a distributed electrical computing system made up of electronic control modules interconnected by a SAE standardized CAN bus technology for high-speed and high-resolution data transfer. The entire electrical system is an over-current protected solid state system without fuses.

PARS 6X6 WAV' are air deployable by C130 aircraft as well as railway & sea transport vessels.



VARIANTS

**PARS 6X6 ICV**

The ICV variant is the Infantry Carrier Vehicle configuration of the PARS 6X6 FoV'. The vehicle is armed with a 7.62 mm or 12.7 mm MG and capacity of carrying 8 personnel including driver, commander and gunner.

**PARS 6X6 IFV RTC**

The IFV RTC variant is the Infantry Fighting Vehicle with Remote Controlled Turret configuration of the PARS 6X6 FoV'. The vehicle is armed with a 25 mm or 30 mm CLAW Remote Controlled Turret and capacity of carrying 8 personnel including driver, commander and gunner.

**PARS 6X6 CBRN-RECCE**

The PARS 6X6 CBRN-RECCE variant is an advanced system to locate, identify and classify all CBRN agents and hazards. The vehicle is armed with a 7.62 mm or 12.7 mm MG remote weapon station and capacity of carrying 4 personnel including driver, commander/gunner and 2 CBRN operations personnel.