PRESS RELEASE

July 22nd, 2025

PARS SCOUT 8x8 CBRN RECONNAISSANCE VEHICLE WILL BE SHOWCASED FOR THE FIRST TIME AT IDEF 2025

Visitors to the FNSS stand will have the opportunity to see the PARS SCOUT 8x8 CBRN Reconnaissance Vehicle, which will be exhibited for the first time at IDEF 2025. Developed within the scope of Special Purpose Tactical Wheeled Armoured Vehicles Project signed with the Presidency of Defense Industries (SSB) in line with the needs of the Turkish Armed Forces, the deliveries PARS SCOUT 6x6 and 8x8 vehicles have started. PARS SCOUT 8x8 vehicles are the first-ever 8x8 armoured combat vehicles to serve in the Turkish Armed Forces.

The PARS SCOUT 8x8 CBRN Reconnaissance Vehicle that will be delivered in scope of this Project has stand-off detection capability, radiation detection capability and the capability to detect and identify Chemical Warfare Agents (CWAs), Toxic Industrial Materials (TIMs) and Biological Warfare Agents (BWAs). The CBRN collective protection system fitted, provides over pressure and an assisted breathing face mask system to the vehicle. The collective protection system is designed in accordance with the NATO standard AEP-54.

The vehicle is fitted with a remote-controlled stabilized weapon system on which a 40mm automatic grenade launcher and 12.7mm or 7.62mm machine gun can be fitted in accordance with user requirements. PARS SCOUT 8x8 CBRN Reconnaissance Vehicle has been designed for a CBRN Reconnaissance team of 6 personnel comprising driver, team / vehicle commander and two CBRN operators. An additional crew seat has been included within the vehicle to improve operational capability and crew flexibility, particularly when taking and handling Chemical and Biological samples for further analysis.

Chemical Detection and Identification:

PARS SCOUT 8x8 CBRN Reconnaissance Vehicle is fitted with chemical detection units to monitor continuously for the presence of Chemical Warfare Agents and Toxic Industrial Materials both outside and inside of the vehicle and detection and classification of solid or liquid samples. The vehicle is equipped with a Stand-Off Detector which uses laser technology and can detect up to a distance of 5km. Furthermore, a gas chromatograph and mass spectrometer (GC/MS) device for further detailed chemical analysis of a range of samples is integrated into the vehicle.

Biological Detection and Identification:

The PARS SCOUT 8x8 CBRN Reconnaissance Vehicle is capable of continuous Biological Agent Detection. If a potential biological agent is detected, a secondary sample is taken for further analysis

that is carried out within the fully integrated glove box designed to provide operator safety. Due to the integrated design of the glove box, a variety of ground samples can be taken to the glove box via the sample handling mechanism for further analysis and identification.

Radiological and Nuclear Detection:

Gamma radiation detectors are integrated to the outside of the vehicle in order to alert the crew to the direction and level of the radiation hazard. Vehicle is fitted with an internal radiation detection device and individual crew dosimeters for personnel protection and dose rate monitoring.

Manual Sampling and Contaminated Area Marking:

The integrated area marking system of the vehicle allows the operator to mark any contaminated area identified without having to leave the vehicle. The NATO standard ground marking flags are placed from within the vehicle using the interlocking delivery system which maintains vehicle over pressure and crew safety at all times.

The PARS SCOUT 8X8 CBRN Reconnaissance Vehicle incorporates the Double Wheel Sampling System which provides a continuous detection and identification capability whilst on the move.

The Central Processing Unit and CBRN Software:

The information gathered via the CBRN detection devices, when incorporated with the data received from the integrated meteorological device and GPS, can be transmitted using the on-board communication system, in accordance with ATP 45 format.

PARS İZCİ 8x8

The PARS SCOUT 8x8 tactical wheeled armoured combat vehicle platform, is designed to be used in low and high intensity scenarios, offering strategic advantages to the user thanks to its unique features, and incorporate the most advanced technologies. PARS SCOUT 8x8 has a power-to-weight ratio of 20 Hp/ton (includes payload), and reaches a maximum road speed of up to 100 km/h and is capable of manoeuvring on 60% vertical and a 30% side slope, climbing 0.7 meters high obstacles and crossing the 2 meters trenches.

Thanks to the engine layout and its balanced design, the vehicle's axle loads are almost equal. This design approach provides the vehicle with the ability to move comfortably even on loose and rough terrain while also providing maximum control at high-speed and short braking distances. The central tire inflation system (CTIS) allows the driver to adjust tire pressure to suit different terrains.

Under favour of hydro-pneumatic suspension system, the vehicle has the best road holding and ride height for different road conditions. PARS SCOUT 8x8's turning radius and the tire wear are minimized thanks to AWS (All Wheel Steering) System. PARS SCOUT 8x8 has a range of over 800 km, and it has under-armour protected fuel tanks. The vehicle is fitted with run-flat tires and with a self-recovery winch.

The driver compartment at the front of the vehicle is protected by ballistic glass, and provides a wide horizontal field of view, high driving safety, situational awareness and comfort. In addition, the glasses are adapted to winter conditions by heating system equipment.

The large ballistic windscreen, and the day/night cameras located at the front and rear give the driver and commander a wide field of view. Inside the vehicle doors and hatches, personnel seats and lighting elements are designed to provide comfort to personnel.

The PARS SCOUT 8x8 hull can be brought to the level of protection required thanks to its modular-designed armour system. The hull shape, underbelly structure, bottom plates and specially developed mine-resistant seats are designed to protect personnel against high-level mine threats.

The modular connection of the vehicle subsystems to its mine-resistant hull ensures ease of maintenance and quick replacement, which makes it superior to its counterparts.

PARS SCOUT 8x8 is designed in accordance with the integration of Manned or Remote-Controlled Towers and Missile Systems, according to vehicle usage needs.

PARS SCOUT 8x8 Vehicle, which has a high locality rate, has domestic gearboxes designed and developed by FNSS with its own resources. Also, many sub-systems in the vehicle, especially the suspension system, are developed with domestic and national resources. PARS SCOUT 8x8 is otherness with both personnel carrying and satisfy the expectation of modern armoured vehicle.

PROTECTED MOBILITY AT YOUR SERVICE!

A GLOBALLY TRUSTED AND RESPECTED TURKISH DEFENCE COMPANY

FNSS is a globally recognized land systems company that specializes in designing and producing wheeled and tracked armoured combat vehicles as well as combat engineering vehicles, turrets and sustainability solutions. As the preferred solution provider of users in various countries, the Company has delivered thousands of armoured combat vehicles worldwide.

ADDING VALUE THROUGH INNOVATIVE SOLUTIONS

Thanks to its competent and dynamic workforce, FNSS offers innovative solutions throughout the entire product life cycle, from the design phase to the end of service life. Ever since the first roll-out in 1990, the Company has continuously improved its vehicle design and production capabilities in line with the requirements of its users. FNSS' KAPLAN class tracked armoured product family and PARS wheeled armoured vehicles are poised to shape new generation combat vehicle trends well into the 21st century.

MEETING USER EXPECTATIONS

FNSS designs and develops customized solutions to meet the requirements of each user. The key to FNSS' success in delivering tailored products within requested time frames lies in its flexible approach to project management. This is complemented by its ability to orchestrate an extensive supply chain and a wide range of global partnerships. FNSS has successfully engineered and supplied numerous products addressing unique requirements. These vehicles have been designed, manufactured and delivered to armies worldwide by FNSS' user-centric business models and tailored solutions.

BUILDING THE FUTURE WITH CONFIDENCE

FNSS products have been challenged by countless user endurance tests in the toughest conditions and have proven themselves in combat missions. FNSS views user satisfaction as a permanent concept and strives to ensure that its products serve beyond their life cycles by addressing any emerging needs throughout their use. FNSS also makes a difference by generating significant value for its international users through localization packages that include employing local labour, establishing domestic supply chains, and providing in-country training and technology transfer. Building upon it's over 35 years of heritage in the defence industry, FNSS continues to add value to its users by creating innovative solutions.

Seda Dağçınar
FNSS Savunma Sistemleri A.Ş.
Senior Media Relations and Communications Lead
T +90 (312) 497 49 64
M +90 (533) 371 45 95
seda.dagcinar@fnss.com.tr