PRESS RELEASE

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FNSS will Showcase Its Predictive Maintenance Approach at SAHA 2026

Predictive Maintenance is an intelligent maintenance approach that anticipates potential failures in a system before they occur, enabling maintenance activities to be planned at the right time and in the right way. Thanks to this approach, vehicle operational continuity is maintained, unplanned downtime is prevented, combat readiness and availability is kept at the highest level.

FNSS offers its users high operational availability during the operation and support phase through the Predictive Maintenance application integrated to its vehicles. FNSS Predictive Maintenance Application has been shaped by hundreds of thousands of kilometres of FNSS vehicles' test data accumulated over the years; it has matured through the development of today's powerful technologies, namely artificial intelligence and machine learning and is now ready for the users.

The application works by:

- Analysing continuously collected data from sensors integrated into the vehicle's critical subsystems,
- Defining normal operating ranges for each system under different environmental and operational conditions,
- Comparing the collected data with the defined operating ranges.

In this way, the vehicle is continuously monitored not only through its current performance, but also through its behavioural trends.

If a system goes outside the defined normal operating ranges, this may be an indication of an imminent failure. These early signs are sent as warnings to the vehicle operator and maintenance personnel before a failure actually occurs. Once the warning is issued, the operator and maintenance personnel can refer to the technical manuals for failure resolution; they can also connect 24/7 without interruption to FNSS Remote Support service or the AI-powered FNSS Support Assistant.

With these early warnings, the operator can monitor the system more closely, plan the required maintenance in advance, or make the right decision regarding part replacement in a timely manner.

FNSS Predictive Maintenance Application goes beyond a reactive maintenance approach that waits for failures to occur, enabling action to be taken before a failure occurs. In this way, the operational reliability and mission readiness of the vehicles increase, providing users with a significant advantage in the battlefield. FNSS is welcoming visitors at the FNSS Predictive Maintenance Application stand, Hall 6, Booth 6F-03, at SAHA 2026 from May 5 to 9.

PROTECTED MOBILITY AT YOUR SERVICE!..

A Globally Trusted and Respected Turkish Defence Company

FNSS is a globally recognized land systems company owned by Nurol Group of Türkiye, specializing in the design and production of wheeled and tracked armoured combat vehicles, combat engineering vehicles, turret systems, unmanned ground vehicles, hybrid powerpacks, and sustainability solutions. As the preferred solutions provider for numerous users around the world, the company has successfully delivered thousands of armoured combat vehicles to various armed forces across the globe.

Adding Value Through Innovative Solutions

With a competent and dynamic workforce, FNSS delivers innovative solutions throughout the entire product life cycle from the initial design stage to the end of service life. Since rolling out its first product in 1990, the company has continuously enhanced its design, engineering, and production capabilities in line with evolving user requirements. FNSS's New Generation KAPLAN tracked armoured vehicle family, together with the PARS 4x4, 6x6, and 8x8 wheeled armoured vehicle series, are setting new standards and shaping the future of armoured vehicle technology well into the 21st century.

Meeting User Expectations

FNSS develops fully customized solutions tailored to the specific requirements of each user. The company's success lies in its flexible project management approach, which enables it to deliver complex, user-specific products on time and to the highest standards. This capability is further strengthened by FNSS's extensive supply chain network and a broad range of international partnerships. Through its user centric business model, FNSS has designed, manufactured, and delivered a diverse portfolio of next generation land systems that meet unique operational needs of armed forces worldwide. Each platform stands as a testament to the company's engineering excellence and its unwavering commitment to user satisfaction.

Building the Future with Confidence

Viewing user satisfaction as a long-term commitment FNSS creates significant added value for its international users through localization programs that include employing local labour, establishing domestic supply chains, providing localized training, and implementing technology transfer initiatives. With more than 35 years of experience and heritage in the defence industry, FNSS continues to create value for its users and partners by delivering innovative, reliable, and mission-ready land systems that meet the demands of modern warfare and future battlefield requirements.

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