PRESS RELEASE

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ALKA - KAPLAN HYBRID – AUTONOMOUS; with Optionally Manned and Autonomous Capabilities at SAHA 2026

Previously introduced at IDEF 2025, The ALKA - KAPLAN HYBRID Directed Energy Weapon System (DEWS), was a joint ROKETSAN and FNSS solution, will be showcased this time with optionally manned and autonomous capabilities at SAHA 2026 at the FNSS stand, Hall 6 – 6F03.

Increasing drone, loitering munition and asymmetric threats in the modern battlefield make next-generation defence solutions indispensable for land forces. Developed in this context, ALKA DEWS offers an effective solution against fixed-wing and rotary-wing mini/micro UAVs, Swarm UAVs, loitering munitions, IEDs and unexploded ordnance. The system combines AI-supported detection, electromagnetic jamming for soft kill, and laser for hard kill capabilities.

With the integration of ALKA DEWS, developed by ROKETSAN, into FNSS' KAPLAN HYBRID platform enhanced with autonomous capabilities; the ALKA - KAPLAN HYBRID - AUTONOMOUS stands out with its high manoeuvrability, silent driving, extended mission duration, and ability to support optionally manned, autonomous and high-energy mission systems. Thanks to the hybrid powerpack, both mobility and mission system requirements can be met without the need to transport an additional power unit.

The powerpack architecture and subsystems used in the KAPLAN HYBRID - AUTONOMOUS platform are designed by FNSS engineers. The diesel generator unit provides the continuous and secure energy required by ROKETSAN ALKA DEWS by operating in the speed-torque range where it is most efficient. By providing intelligent energy management and external power transfer features, this structure gives the platform extended range, higher manoeuvrability when used unmanned and operational flexibility.

ALKA DEWS, developed by ROKETSAN forms the basis of future weapon systems, locally and nationally, with artificial intelligence-supported detection/tracking algorithms and user-friendly interfaces to show the highest impact in the shortest time possible, and to add them to the inventory of our security forces. The system can offer fixed, portable and mobile solutions with threat prioritization and different deployment options.

ALKA - KAPLAN HYBRID - AUTONOMOUS can be adapted to different mission scenarios thanks to its modular structure. The platform combines manned or autonomous operation options, network-supported operation capability, sensor fusion, decision support mechanisms and energy management under a single architecture. Thus, it stands out not only as a carrier platform, but also as an integrated combat solution that senses, decides and effects.

This innovative cooperation between ROKETSAN and FNSS will be showcased at SAHA 2026 as a high-technology-based solution against today's and future threats. Visitors will also have the opportunity to test the VR-based simulation infrastructure used as an advanced training aid on the system.

ROKETSAN

ROKETSAN has been providing reliable system solutions with proven performance to domestic and international users for 37 years. The company employs over 7,000 highly skilled personnel in its facilities equipped with advanced engineering technologies.

Maintaining systems engineering approach, ROKETSAN designs, develops and manufactures rockets, missiles, guided munitions and weapon systems. ROKETSAN also integrates these systems to land, air and naval platforms, provides tailored systems determined with customer requirements such as launcher and weapon systems, designs, develops and manufactures guidance-control systems, propulsion systems and various types of warheads.

ROKETSAN is the manufacturer of the MAM family smart gliding munitions, which have proven their success on UCAVs around the world. ROKETSAN is also responsible to develop space launch technologies and systems as well as establishing launching sites of Türkiye. ROKETSAN is ranked the 71st largest defense industry company on the 2025 Top 100 list.

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FNSS Savunma Sistemleri A.Ş.

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.

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.

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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