PRESS RELEASE

Bordeaux, March 25, 2025

Hexadrone and Icarus Swarms unveil “Le Mistral,” a drone designed to fly autonomously and in swarms.

Sofins, Camp de Souge — Hexadrone, a French manufacturer renowned for the robustness of its platforms, and **Icarus Swarms**, a pioneer in swarm robotics software coordination, today announce the immediate availability of their joint solution: **Le Mistral**.

Le Mistral is the result of the union between the **Tundra 2**, a next-generation modular drone designed by Hexadrone, and **Orus**, the swarm software platform developed by Icarus Swarms. Together, they form a groundbreaking solution, enabling the coordinated and autonomous flight of dozens to hundreds of drones, even without a connection to a ground station.

Designed to meet the challenges of a constantly evolving world, the **Tundra 2 drone** is based on universally documented standards following an OPEN INNOVATION approach, ensuring total interoperability. This unique approach allows for the easy and rapid integration of modules and systems, regardless of their origin, offering unparalleled flexibility to operators.

Thanks to these standardized interfaces, the Tundra 2 effectively combats obsolescence. Its scalable architecture allows for the addition of new features and technologies over time, thereby extending its lifespan and reducing replacement costs. Its plug-and-play design ensures quick installation without requiring advanced expertise, directly in the field.

Each drone can carry between 5 and 8 kg of payload (depending on the propulsion groups used), opening the door to large-scale tactical applications: delivery of medical supplies, resupply in degraded areas, distributed intelligence missions, electronic warfare systems, mine detection, etc.

The ORUS platform stands out for its ability to autonomously control drone swarms without complex infrastructure. Developed by engineers specialized in aeronautics and artificial intelligence, it integrates proprietary coordination algorithms, collaborative navigation, and adaptation to unstructured environments. ORUS allows operators to define complex missions in just a few clicks, while ensuring high resilience, even in case of drone loss or GPS jamming.

The platform is also compatible with other drones, such as the Parrot Anafi USA, allowing for flexible integration tailored to mission-specific needs.

At SOFINS 2025, Hexadrone and Icarus Swarms will present daily live demonstrations: a Mistral swarm will deliver medical kits in a simulated environment, illustrating the speed, precision, and resilience of this technology.

> *"Le Mistral is a concrete response to the needs of forces operating in complex environments. It embodies the synergy between proven hardware and cutting-edge swarm coordination software ORUS,"*
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> — Alexandre Labesse, CEO of Hexadrone.

Mistral drones and the "Orus" ground station are available for purchase starting today.
The Icarus Swarms and Hexadrone teams will be available by appointment at SOFINS in "Loge 3."

Real image of a Mistral swarm flight (video available here: here)

About Icarus Swarms

Founded in 2022, Icarus Swarms is a French company based in Bordeaux, specializing in the development of autonomous drone swarm technologies for the defense, security, and emergency response sectors. Its team of engineers, with backgrounds in aeronautics and artificial intelligence, designs systems capable of coordinating drone swarms to carry out complex intelligence missions without direct human intervention. Icarus Swarms collaborates closely with several strategic French entities: special forces, Army, Navy, Air and Space Force, RAID, as well as major industry players such as Thales and Naval Group.

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About Hexadrone

Founded in 2014 and based in Haute-Loire, Hexadrone (www.hexadrone.fr) is a major player in aerial robotics, specializing in the design and manufacturing of modular drones for military and industrial applications. With recognized expertise in engineering and tactical integration, the company develops robust, scalable, and interoperable systems tailored to the needs of armed forces.Its flagship drone, the Tundra 2, embodies this vision with a unique modular architecture, ensuring flexibility, durability, and adaptability to critical missions.Hexadrone operates a 1,000 m^2 modern production facility with scalable and transferable capacity. The company also has several synergistic business units, a dedicated design office for custom projects, and an integrated lab for ongoing innovation.

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