

IDEX 2021: Steadicopter expands the RUAV Black Eagle family into a comprehensive solution for homeland security, offshore and military missions

The company will present the lightweight unmanned robotic helicopter's capabilities with advanced COMINT/SIGINT/ELINT, LiDAR/ViDAR, SAR/MPR and other payloads

Also, an enhanced autonomous capability, with integration of FlightOps.io drone operating system

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22 February 2021. Steadicopter, a leader in the Rotary Unmanned Aerial Systems (RUAS) industry, is expanding the applications for the Black Eagle family to include homeland security, police, offshore and military ISR missions. Exhibiting for the first time at the IDEX event, the company will highlight the capabilities of the lightweight unmanned robotic helicopter that enable it to meet the various challenges of HLS, military forces and law enforcement agencies.

The company has recently signed a number of cooperation agreements with Israeli companies with technological leadership, among them is Simplex – a leading developer of unique, groundbreaking drone control technology, enabling operations of multiple drones beyond visual line of sight (BVLOS).

The integration of FlightOps.io Drone Operating system, by Simplex-C2, with the Steadicopter, Black Eagle will enhance the platform's autonomous operational capabilities.

The FlightOps Drone OS is installed onboard the Black Eagle thus upgrades its autonomous capabilities turning it into a smart, mission aware robot that can operate in shared airspace, making smart autonomous decisions in real time and significantly increasing mission capabilities, efficiency and safety of flight.

This unique integration also allows the operation of multi-UAS in cooperation with other types of systems, sensors and unmanned aircrafts performing collaborative complex missions.

The FlightOps web-based Ground control application provides an easy yet powerful multi-mission and multi-UAS control using a single operator.

"Recently, we launched the Black Eagle 50E and Black Eagle 25E, featuring electric propulsion, adapted for naval and ground forces missions," says Noam Lidor, Sales & Marketing Director at Steadicopter. "We identified an immediate need for an unmanned platform that would provide mission flexibility. The Black Eagle family now has open architecture that enables much-needed integration, in accordance with user requirements. In order to provide a comprehensive solution to our customers around the world, as well as addressing the specific needs in this region, we have carried out extensive collaborations, with the result that the Black Eagle can already carry out a wide range of missions, including the use of the most advanced payloads."

"Other collaboration we are proud of are with Downwind – a leading provider of UAS services and critical support for both government and civilian applications; and Simlat – the industry leader in simulation for UAS". Lidor adds.

These collaborations are expanding the offering by Steadicopter, turning the company into a provider of integrative solutions to homeland security, military and law enforcement forces.

Black Eagle RUAV

The Black Eagle Rotary Unmanned Aerial Vehicle (RUAV) is a robotic observation system for civil, military, and homeland security missions. From a wide variety of OPVs to the busiest offshore platforms, the Black Eagle family of products offers a comprehensive solution for highly-demanding maritime applications, such as infrastructure security, Exclusive Economic Zone enforcement, anti-piracy and unauthorized fishing, search & rescue, offshore cargo supply and more. All Black Eagle systems are certified for use in the harshest maritime operating scenarios, according to the IP67 environmental standards.

Black Eagle 25E - designed for weights of up to 25 kg, the Black Eagle 25E is suitable for tactical-urban missions, while meeting the strictest weight and category regulations.

Black Eagle 50E - with an electricity-powered engine, the Black Eagle 50E system is extremely lightweight, enabling additional payload capacity, giving the user the highest level of mission versatility for covert operations. Weighing only 18 kg as a platform, each model has the capacity to carry additional batteries for longer flights, heavier payloads and more.

With a zero-logistic footprint, both the Black Eagle 25E and 50E are the perfect fit for the ever-important maritime domain. The small dimensions of the platform within the small-tactical unmanned aerial systems (STUAS) allow for efficient and safe operation.

About Steadicopter Ltd.

Founded in 2005, Steadicopter Ltd. is a revolutionary player in the Rotary Unmanned Aerial Systems (RUAS) industry, specializing in the design, development, and production of rotary tactical UAS. The company delivers exceptional, unprecedented, proven solutions for military, HLS, and civilian applications. It provides full-featured solutions for any in-field requirements, enabling vertical take-off and landing, steady hovering and optical vision for day and night in all ISTAR use cases. Steadicopter is ISO-9001/2015 certified for development, manufacturing, marketing and sales.

For more information on Steadicopter, please visit the company's website: www.steadicopter.com

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