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RED CAT

Reveal Technology and Teal Drones Demonstrate Multi-Drone Mapping to US Military

Networked Multiple Drones Far Outperform Single Drone for Gathering and Analyzing Geographic Intelligence About Rapidly Developing Situations On-the-Ground

FORT BRAGG, N.C., Aug. 18, 2022 (GLOBE NEWSWIRE) -- Military tactical teams' ability to quickly produce accurate maps of areas targeted for military operations can mean the difference between mission success or failure. Meeting this need, Reveal Technology has teamed with Teal Drones – a division of Red Cat Holdings (NASDAQ: RCAT) – to enhance Reveal's "Farsight" mapping software by automatically combining imagery from multiple unmanned aerial systems (UAS) to produce high-fidelity 3D maps. By dramatically increasing the speed of collection, users receive Farsight maps and analytics faster than ever. The groundbreaking technology was recently successfully demonstrated to U.S. Army Special Operations Command near Fort Bragg.

"Farsight already significantly sped up the rate at which aerial imagery could be used to help teams more safely and effectively carry out their missions," said Reveal COO Andrew Dixon. "Simultaneously gathering data from multiple drones, such as using Teal's 4-Ship multi-drone system, compounds this for significant intelligence advantages on the battlefield."

Just introduced in June, the 4-Ship allows a single operator to simultaneously control up to four of Teal Drones' Golden Eagle drones, allowing for instant and ongoing 360-degree surveillance of a target. Farsight gives military teams virtually real-time access to detailed 3D maps of a target area that can be overlaid with:

1. Line-of-sight analysis, which allows a team to choose a route at the target area that is least visible to the enemy
2. Terrain analysis and graphing
3. An AI-generated "best route" through a target area, based on line-of-sight data, elevation mapping and terrain analysis
4. A vertical measurement tool, for determining the height of buildings and structures that may be part of an operation
5. A helicopter landing zone survey, to quickly identify the best and safest spot to land

These combined features provide a team with an advanced awareness of the situation as it actually is on the ground, leading to more successful missions.

Prior to Farsight, military teams in the field were often dependent on overtasked and often separate intelligence organizations, which resulted in slow-moving intelligence analysis that did not match the fast-paced environment on the ground. Farsight helps overcome this issue by blending state-of-the-art computer vision, AI and computing "at the edge" – computing in

the field on handheld devices. Because all processing for Farsight is completed at the edge, no network connection is required, which eliminates the need for additional processing capabilities like servers or cloud infrastructure. This not only speeds up the entire process, but allows the creation of detailed, actionable maps from virtually anywhere on the globe. And, especially importantly, computing at the edge does not increase the team's electronic signature to the enemy, which, as seen in Ukraine, could attract artillery fire, among other responses.

"A primary role of Teal Drones – which is one of only a handful of drone companies approved to provide equipment to the U.S. military – is to provide a superior airframe upon which others build apps that allow the military to better meet their objectives, including warfighter safety mitigation," said Red Cat CEO Jeff Thompson. "This integration of Reveal's Farsight software with Teal's 4-Ship product is one of the most important apps that has been developed for the Golden Eagle so far. We are excited about our partnership with Reveal and look forward to even more groundbreaking developments in the future."

"What sets Teal and Red Cat apart – and an important reason why we are excited to be working with them – is their demonstrated ability to build and ship product," added Dixon. "Because Teal has a dedicated manufacturing facility in the U.S., they can make good on their promise to deliver product to the military on-time, which is an enormous advantage in today's drone industry, and means that our technology is much more likely to get to users on the front lines when they need it."

About Red Cat Holdings
Red Cat Holdings is a publicly traded company (NASDAQ: RCAT) that provides drone products, technologies and services to the fastest-growing market segments in the drone industry through four operating subsidiaries: Skypersonic (providing drones for industrial inspections and first-response emergencies that can be piloted from anywhere in the world), Teal Drones (military-grade drones), Fat Shark (headsets for FPV drones that allow for an incredibly immersive experience) and Rotor Riot (a leader in providing product, services and support to the high-performance drone market).

About Reveal Technology
Reveal Technology, Inc., represents the new generation of defense technology companies, building mobile software that allows warfighters to leverage the power of applied AI to make better, faster decisions in high-risk environments. Headquartered in Silicon Valley, Reveal was co-founded by Marine Corps Veterans and Stanford-trained software engineers and entrepreneurs.

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