UgCS unveils new search pattern planning feature for unmanned aircraft systems developed in partnership with Airborne Response

New capability will allow drones to more effectively conduct search and rescue operations across a wide array of use case scenarios

MIAMI – UgCS, the world's premier provider of mission planning software for unmanned aircraft systems (UAS), together with public safety and disaster response UAS experts Airborne Response®, have developed a comprehensive search capability for drones that will allow

remote pilots to more effectively conduct search and rescue operations using the UgCS platform.

The new software enhancements will provide users with a variety of quickly customizable search patterns such as the "expanding square" and "creeping line" that can be easily deployed in emergency and non-emergency situations. Based on the flight altitude input by the operator, the UgCS software will automatically calculate key variables such as the course heading and track spacing necessary to provide the prescribed coverage area for a search target.

"As first responders, we are trained to develop an emergency search plan using time-tested and proven tactics," says Tom "Oaty" Oatmeyer, Chief Pilot, Airborne Response. "The new enhancements to the UgCS mission planning software will allow remote pilots at every skill level to quickly plan and implement a professional search mission with a UAS."

Oatmeyer, an air rescue expert with 28 years of experience piloting helicopters for both the U.S. Air Force and the Miami-Dade Fire Rescue department, worked directly with the UgCS development team to bring the new features to fruition. As an aircraft commander, Oatmeyer is credited with saving over 150 lives during various emergency and disaster response operations.

"The new UgCS search feature is designed to make searching for a target with a drone as simple and reliable as possible," according to Janis Kuze, Sales Director of SPH Engineering. "We look forward to continue working with the Airborne Response team to further enhance the software capabilities and implement additional search pattern features."

Airborne Response and UgCS will be hosting a joint web conference on Thursday, August 16 at 2:00 p.m. Eastern to officially unveil the new search features of the UgCS mission planning software. To register for the conference, please visit: webinar.airborneresponse.com

Additionally, Airborne Response and UgCS have reached an agreement for Airborne Response to offer the UgCS mission planning software, and associated training, to public safety and emergency response professionals throughout the U.S.

"When lives are on the line, every second counts," asserts Oatmeyer. "UgCS now represents another valuable link in the UAS technology chain to enhance the public safety mission."

About Airborne Response
Based in Miami, Airborne Response provides unmanned systems experts to capture aerial imagery and data from the world's most challenging environments. Airborne Response is developing the World's Largest Air Force™ specializing in public safety, critical infrastructure, security, and disaster response UAS training and flight operations. Airborne Response personnel train and work alongside first responders and industrial subject matter experts both within the U.S. and internationally. For more information on Airborne Response, please visit: http://airborneresponse.com

About SPH Engineering / UgCS
SPH Engineering offers unmanned systems integration services and software development. **UgCS** is a unified mission planner for all popular UAV platforms to plan and fly drone survey missions providing toolset for safe and efficient UAV land surveying and industrial inspections, e.g. custom elevation data import, Photogrammetry and Geotagging tools, LIDAR, Magnetometer and GPR linear and aerial survey planning tools with terrain following mode. **UgCS Mapper** - offline mapping tool to create high-quality 2D or 3D orthophoto maps with option to generate elevation models, enabling the stitched orthophoto maps to be automatically added as map overlays into UgCS. **GPR-UAV-UgCS integrated solution** - a GPR mounted on a drone enables to see through the surface of ground, ice, rocks, freshwater, and buildings or through structures at unsafe and hazardous environments without compromising the safety of staff. **Drone Show Software** is a complete solution to set up a drone swarm show. Discover: https://ugcs.com

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