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September 23, 2016 (<http://uasweekly.com/2016/09/23/>)

FlyCam UAV Teams Up With US Nuclear Corp To Create A Life Saving UAV

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You may have seen [FlyCam UAV \(http://www.flycamuav.com/\)](http://www.flycamuav.com/)'s aerial production work, but the UAV company that's known for its stunning cinematography recently partnered with US Nuclear Corp to create a new device that's right out of the movies — and can save real lives.

FlyCam UAV launched the Cypher 6, a commercial-grade hexacopter, and The NEO, an all-weather commercial co-axial octocopter. The platforms are designed for use with US Nuclear Corp's DroneRad aerial radiation detection system. DroneRad detects particles that contain alpha, beta, gamma and neutron radiation. A gas collection option tests for the presence of chlorine, biological particulates, and aerosols such as anthrax and nerve gas, making the FlyCam UAV/US Nuclear Corp UAV suitable for radiological, chemical and biological detection missions. Future upgrades to the DroneSensor package will detect methane and diesel fumes.

The UAVs can be used to detect radiation leaks in nuclear power plants or flown into plumes of smoke from a burning building to give first responders immediate data about what kinds of hazards might be present. It can also be used for to monitor public events, sea ports or geographic areas to detect possible dirty radiological bombs or the use of chemical and biological agents.

The DroneRad with the Cypher 6 and NEO UAV configurations acquires and relays data to the operator in real-time. The data can be tagged with GPS coordinates and stored on-board for post-flight download and viewing, or it can transmit data to a base station wirelessly for live monitoring. The data consists of a series of measurements of radioactive intensity tagged with GPS data for color coded display on a map. The data can be displayed as a full gamma spectrum, allowing the identification of radioactive isotopes.

“Sensors mounted on UAVs is the perfect marriage of two technologies that will be a game changer for a variety of different industries,” Jeri Donaldson, CEO and owner of FlyCam UAV, said. “In addition, the need for security is at an all-time high and our technology can remove the human element from a potentially dangerous situation. The practical and potential applications of the Cypher 6 and Neo with US Nuclear Corp.’s DroneRad sensor package are enormous and we have yet to see all of the use cases of the devices.”

FlyCam UAV announced today that they will be showcasing their radiological, biological and chemical detection UAV system at the 2016 Commercial UAV Expo in Las Vegas, October 31 – November 2, 2016, **booth 614**.

The Cypher 6, Neo and DroneRad are available now through FlyCam UAV and US Nuclear Corp. For more information, visit <http://www.flycamuav.com> (<http://www.flycamuav.com>) or <http://www.usnuclearcorp.co> (<http://www.usnuclearcorp.co>)