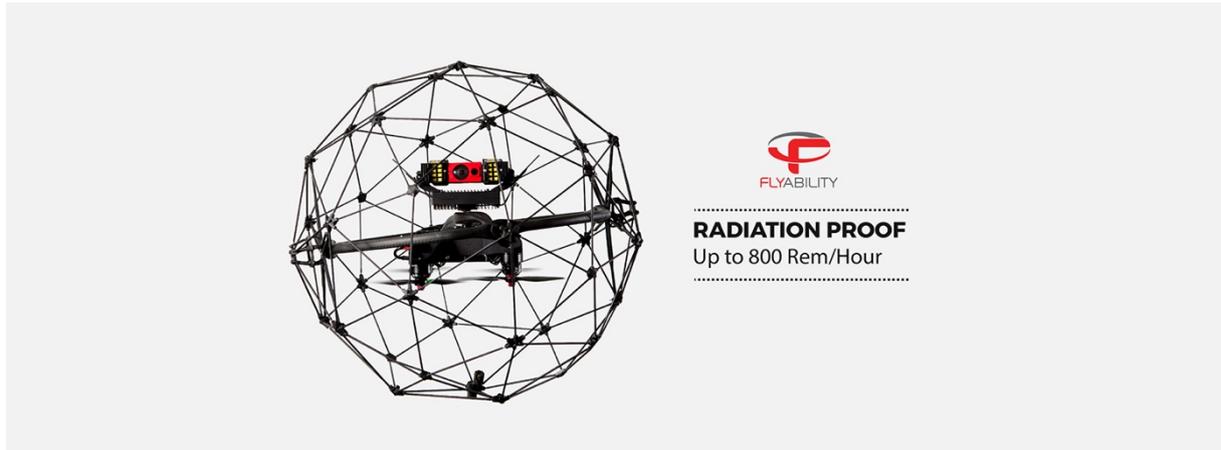




## PRESS RELEASE

### The Elios drone tested to 800 R/H of radiation to increase nuclear safety

**September 25, 2018 - Flyability announced that the Elios drone was tested and successfully performed even at a dose rate of 800 Rem/Hour (8 Sv/Hour) during 10 minutes.**



Used in the nuclear industry in five countries and equipping more than 30% of all U.S. nuclear plants, Elios is used to prevent sending humans to perform visual inspections in radioactive environments, increasing workplace safety. Amongst the most successful public use cases of Elios, a major US energy producer saved half a million in loss of production - in a single flight - by sending the drone to check for a suspected leakage in the basement of a reactor while under operation without exposing their workers to radiation. Elios has also been successfully deployed to inspect a tank in the primary cooling circuit of a nuclear plant in Europe. In parallel, Flyability is exploring use cases such as nuclear asset decommissioning, nuclear used fuel storage management by providing a visual access to, otherwise, hardly accessible places. The results of the recent tests confirm the potential of Elios and benefits for their users, especially for the radiation specialist in charge of reducing human exposure to radiations.

Exelon PowerLabs coordinated the testing of the Elios at one of Exelon's nuclear sites, which regularly tests equipment for use in nuclear plants. "Exelon PowerLabs is helping drive innovation and the use of new technologies at nuclear energy facilities," said Colbey Ryan, business development manager, Exelon PowerLabs. "By using drones and other forms of advanced technologies, nuclear plants can operate more efficiently, reliably and safely."

The test conducted by Exelon PowerLabs consisted of incremental increases of radiation exposure to the Elios while in operation. During the final test, the optical camera and radio control of the Elios performed as normal while exposed to radiation for 10 minutes at a rate of 800 Rem/Hour. Following the radiation exposure sequences, two functional checks consisting of disarming (stop) and arming (start) the aircraft were performed to see if the unit remained fully functional after such high dose. The cumulative test sequences exposed the Elios to more than 180 Rem (1.8 Sv), which is more than 90 times the yearly dose limit for a single person working at a nuclear plant in the US and in France.



## **About Flyability**

Flyability is a Swiss company building safe drones for inaccessible places. By allowing drones to be used safely inside cities, inside buildings, and in contact with people, it enables new interactions and services with UAVs. With Elios, Flyability solves the two most critical issues of one of the fastest growing industries: collision and injury risks. The company's first market is in industrial inspection where it avoids sending people in dangerous and confined spaces for the inspection of Power Generation, Oil & Gas, Mining, Chemical, or Maritime infrastructures. It is also active in Search & Rescue and Security to assess emergency situations without putting humans at risk. Flyability is the winner of the 1M USD Drones for Good Award and over 15 other technology and business prizes.

More information on [www.flyability.com](http://www.flyability.com) / @fly\_ability