

A SAFE LANDING FOR DRONES

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**What's a commercial drone pilot to do when a flight is interrupted and a crash is imminent?
Deploy the parachute, of course.**

According to the US Federal Aviation Administration (FAA), commercial drone use in the US grew by 150% from 2016 to 2017 and by 2022 will likely be four times larger. And drones aren't just for kids anymore: a high-end commercial drone with attached camera equipment can cost more than \$20,000, with a payload of up to 500 pounds¹.

With the evolution of the commercial unmanned aircraft systems (UAS) industry, however, heightened operational risks have emerged, leading to the need for more safety-conscious products. Consequently, AGCS has partnered with **ParaZero**, a company specializing in designing, developing and manufacturing drone safety solutions. The partnership offers pricing incentives and preferential conditions for those AGCS customers using ParaZero products with their drones.

HOW IT WORKS

ParaZero's drone safety system – **SafeAir™** – uses an onboard computer paired with a pyrotechnic parachute launcher which, upon flight malfunction, deploys in fractions of a second. The system monitors key flight parameters and, when critical failures are identified, a parachute and audio warning system trigger to bring the drone to a safe landing.

The system deploys a parachute, stops the rotors, reduces drone speed and emits a loud sound to alert bystanders of the aircraft's controlled descent. Even large payloads can be saved – the rapid descent of a large 750 lb (350 kg) drone could be stopped in approximately 30 ft (10m). The recovery system has been proven to be effective across many emergency situations. Most accidents occur when a drone loses power or experiences critical flight breakdown and a pilot is limited in their options to prevent damage to the craft, surrounding area and people on the ground.

SAFETY IS KEY

"AGCS recognizes the value that ParaZero brings to the table in an

effort to carefully manage risks involved with the operation of drones," says **Aviation Practice Leader North America at AGCS, James Van Meter**.

"By prioritizing drone safety technology, we are supporting innovation to help customers mitigate risks and keep everyone safer." AGCS provides comprehensive hull and liability insurance coverage for thousands of drone operators.

"Commercial drone use is getting more creative than ever before," says **ParaZero CEO, Eden Attias**.

"This partnership helps to provide safety options to our vast and growing client base."



\$20,000

Cost of a high-end commercial drone

¹ Helicopter Investor, Commercial US drone market to grow to four times its present size by 2022, March 19, 2018