

Advanced yet inherently harmless UAV that fits in a carry-on

Hannover, Germany – October 10, 2012: senseFly announces its new ultra-lightweight and powerful UAV¹ for the surveying and mining industries: the eBee, a combination of cutting edge technology, aerodynamic expertise and innovative design.



senseFly is pleased to announce the eBee, the first professional-market UAV that is resistant to high winds yet remains inherently harmless and is transported in a single carry-on luggage-sized box². This new product has been designed from the bottom up based on customer's experience with senseFly's bestselling swinglet CAM UAV. Following senseFly's philosophy of designing safe and easy to use systems, the eBee weighs only 630g. Its optimized aerodynamics and increased efficiency of the powertrain allows the eBee to fly its missions in strong breezes of up to 12m/s (45 km/h).

Getting out and operational without the need for a truck to carry the equipment is essential for the operator. The eBee fits into a single case that conforms to carry-on luggage standards. Once on-site, the eBee can be prepared for flight in less than five minutes and launched by hand. After the mission is complete, the eBee uses its industry-first ground-sensing technology to perform a linear landing on a preset ground coordinate. All images are then directly processed in the included most advanced UAV image processing software³ to high-resolution orthomosaics and DEM.

Along with the eBee, senseFly further announces the release of eMotion 2, the most intuitive UAV user interface on the market today. It allows to plan and monitor the UAV flight using advanced tools such as automated multiple flight plan generation, up to 10 sources of online maps for mission planning, use of custom maps and import of KML files.

The eBee will be available at the beginning of 2013.

The eBee responds to the needs of Mining and Surveying professionals thanks to its wind resistance and robustness, high precision 3D image processing and intuitive mission planning. It enables them to create high-resolution orthomosaics and 3D data of areas up to 10km² at a global accuracy of up to 5 cm avg. in planimetry and altimetry.

senseFly press contact: pr@sensefly.com

For further information please visit: <http://www.sensefly.com/aboutus/press>

About senseFly

senseFly is a Swiss company that develops and produces autonomous ultra-light flying drones (also called UAVs) and related software solutions. The technology behind senseFly's solution first emerged in 2001, when a team of robotic researchers in the Laboratory of Intelligence Systems at EPFL (a leading research organization in robotics and artificial intelligence, <http://lis.epfl.ch>) began investigating the control and navigation strategies of flying insects. This pioneering research enabled the development of a highly integrated autopilot employing smart control strategies similar to those found in flies and bees. In 2008, this autopilot was integrated into an ultra-light flying wing, reproducing all the advantages of insects: efficient, elegant, lightweight, elementary and smart. In late 2009, these researchers teamed up with a surveying engineer and a professional pilot to found senseFly and, shortly after, launched the swinglet CAM flying drone for aerial imagery acquisition and mapping. senseFly currently sells over 30 fixed-wing UAVs per month for the surveying, mapping and GIS market. In July 2012, senseFly and Parrot joined forces to develop their respective markets. Within the Parrot group senseFly is in charge of the drones for professional applications. This enables senseFly to further increase its innovation and industrialization of smart surveying and mapping solutions.

¹ Unmanned Aerial Vehicle

² IATA standards

³ powered by Pix4D