

Press Release
For Immediate Release

senseFly Corridor solution boosts efficiency of linear mapping projects

*Today's new combined hardware/software release makes assessing linear assets
with UAS easier and less data-intensive than ever before*

Cheseaux, Switzerland (May 3, 2017) – senseFly, the world's leading producer of mapping drones, today announces senseFly Corridor, a new platform enhancement that vastly simplifies the drone (UAS) mapping of linear infrastructure and sites. senseFly Corridor will debut on May 8 at AUVSI Xponential in Dallas, Texas (booth 641).

Corridor mapping is a common task for many geospatial professionals and crucial for the effective planning, design and analysis of linear infrastructure, as well as the monitoring of rivers and coastlines. However, using drones to carry out corridor projects—as an alternative to hiring expensive manned aircraft—has, until now, been a relatively complex job that contained some frustrating inefficiencies.

“senseFly Corridor overcomes these hassles, providing a geometrically and logistically efficient method of mapping linear routes,” said Francois Gervais, senseFly's lead product manager for surveying. “With senseFly Corridor, commercial operators can easily plan an automated corridor mapping mission, containing one or numerous flights. This release is also future-friendly, as more operators gradually look towards gaining EVLOS and BVLOS permissions.”

“This corridor function is a fantastic development,” said senseFly customer, Marc A. Cañas, GISP, Vice President of National Freight Rail at Jacobs. “The corridor mapping of rail routes is a large part of our activities, so we're excited about the flight planning efficiencies and time savings this solution will bring.”

senseFly Corridor is a combined hardware and software solution, which is optimised for any eBee Plus drone that carries a senseFly S.O.D.A. photogrammetry camera. It includes: a camera integration kit, which houses the senseFly S.O.D.A. in a longitudinal (portrait) position, and a new corridor mapping 'mission block' within senseFly's eMotion 3 ground station software. This combined approach offers three benefits:

1. Better ground resolution

A vertical camera position allows operators to fly the eBee Plus closer to the ground, while still achieving the image overlaps their digital outputs require. The result of flying lower is lower ground resolution, of down to 1.5 cm (or 0.6 inches) per pixel.

2. Fewer images = shorter processing times

Compared to using a normal, landscape-position drone camera, senseFly Corridor can map the same linear route using 30%¹ fewer images. This means 30% shorter image processing times after a flight.

3. Makes corridor mapping easy

eMotion 3's Corridor Mapping mission block makes linear mapping jobs easier than with any other solution: simply load a KML, shape file or background map, define your target corridor (clicking once each time the route changes direction) and specify the corridor width and ground resolution you require.

"Our professional mapping clients are looking to be as safe and efficient as possible when planning and executing their eBee flights," said senseFly distribution partner, Adam Arrington, Vice President & Sales Manager at Earl Dudley Inc. "This new corridor feature provides a cutting-edge planning tool that will reduce processing times, while maintaining a narrow corridor and still producing the highly accurate results our clients demand."

For more information about senseFly Corridor, contact [a senseFly distributor near you](#).

References:

- 1 Example calculation: 4 km (2.5 mi) x 50 m (164 ft) corridor, GSD 2.3 cm/pix, 70%/70% image overlap.
- senseFly S.O.D.A. horizontal position: 538 images
- senseFly S.O.D.A. Corridor: 374 images

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About senseFly

At senseFly, we believe in using technology to make work safer and more efficient. Our proven drone solutions simplify the collection and analysis of geospatial data, allowing professionals in surveying, agriculture, engineering and humanitarian aid to make better decisions, faster.

senseFly was founded in 2009 and quickly became the leader in mapping drones. The company is a commercial drone subsidiary of [Parrot Group](#). For more information, go to www.sensefly.com.