

# senseFly and Trimble Optimise Workflow for Geospatial Drone Operators



senseFly, a leading producer of professional drone solutions, has announced a new software integration with [Trimble](#), which optimises the drone mapping workflow for geospatial professionals. The new integration between the companies' software ensures the smoothest possible end-to-end mapping drone (UAS) workflow.

senseFly operators can now, within the recently launched [eMotion](#) 3.5 drone software, transform a [senseFly S.O.D.A.](#) camera's georeferenced imagery into an automatically collated project (.jxl format). This enables the simple, one-click import of drone imagery into the Trimble Business Center Aerial Photogrammetry module without the need for manual project creation and organisation of images.

The senseFly-to-Trimble mapping workflow becomes as simple as:

- Planning and monitoring a senseFly S.O.D.A.-based drone flight (in eMotion 3.5)
- Downloading the drone's images for one-click georeferencing in eMotion 3.5 (Flight Data Manager)
- Clicking to create a .jxl format mapping project
- Opening a project within the Trimble Business Center Aerial Photogrammetry module
- Processing the drone's imagery to generate orthophotos, contour maps, point clouds, digital surface models (DSMs) and feature maps
- Analysing and acting upon the data

Jean-Christophe Zufferey, senseFly's co-founder and CEO said he is excited to collaborate with Trimble on more tightly integrating their solutions, since enhancements such as this new eMotion-to-Trimble Business Center workflow do exactly that, ensuring that the transition from data collection to acting upon this data is as seamless as possible.

## Drone photogrammetry camera

The senseFly S.O.D.A. is a camera to be specially built for professional UAV photogrammetry work. This 1 inch, 20 megapixel RGB camera captures amazingly sharp aerial images, across a range of light conditions, allowing senseFly fixed-wing drone operators to produce detailed, vivid orthomosaics and ultra-accurate 3D digital surface models. senseFly S.O.D.A. is compatible with most senseFly fixed-wing mapping drones, including the large-coverage [eBee Plus](#).

In addition to producing powerful photogrammetric deliverables, Trimble Business Center allows surveyors and other geospatial professionals to combine aerial photography with data collected from GNSS receivers, total stations, 3D laser scanners and more, for a complete field-to-finish workflow. By easily combining imagery from unmanned aerial systems with ground-based survey data, users can visualise their project from both aerial and terrestrial perspectives, measure points within the images and create 3D models of the infrastructure and terrain.