

6 Benefits of the Hélicéo's UAS & UVS

- 1** **Exceptional accuracy**
HD Digital camera sensor
GPS Centimetric accuracy
- 2** **Increased productivity**
No Ground Control Point (GCP) is necessary
- 3** **Increase your business**
You can realize various UAS & UVS tasks
- 4** **Optimize your investment**
With the DroneBox technology
- 5** **Reduce your operating costs**
With Vertical Take-Off and Landing (VTOL).
- 6** **Made in Europe**
Conception by Hélicéo
with local partners



Hélicéo
Geomatic
Innovation & Technology

6 rue Rose Dieng-Kuntz
CS 40760 - 44300 Nantes cedex 3 France
N47°17'3.001", W1°30'55.001"
contact@heliceo.fr



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Hélicéo
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FOX
UAS & UVS

for surveyors and topographers

Made in Europe

Our partners :



FoX

UAS & UVS for surveyors and topographers

Designed for and by land surveyors, the FoX concept achieves a global reflection on the geomatic precision business. It is a new way of thinking drones by combining technological innovation, design, ergonomics and pragmatism.

Hélicéo offers completely new and innovative UAS & UVS concepts, such as :

- **Vertical Take-Off and Landing (VTOL)** for our planes.
- Multi-purpose drones, plane and multirotor, to avoid 100% of the field tasks
- Our **DroneBox technology**, the core of the system, includes integrated flying and surveying automations to reduce your production costs, and to increase the quality of your final outputs.

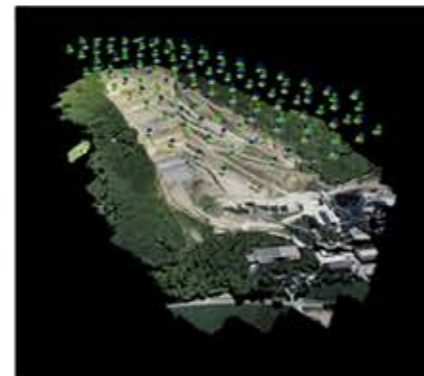
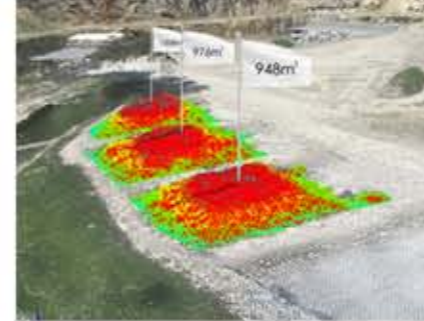


VTOL (Vertical Take-Off and Landing)

	Multicopter FoX4 / FoX6	Plane Foxy Slim / Foxy Pro
Autonomy	15 to 30 min	45 min to more than 1h
Payload	0.6 to 3kg - 1.3lb to 6.6lb	0.3 to 1.5kg - 0.66lb to 3.30lb
Max Speed	80km/h - 50mph	120km/h - 75mph
Flying Distance	9 km / 5.6 miles	80km/ 50 miles

Our UAS

Developed, tested and calibrated in our engineering office, with local partners, in Nantes, France, Hélicéo Unmanned Aircraft Systems are designed for all photogrammetric professional tasks. **Multicopters FoX4 and FoX6** are dedicated for medium size surfaces mapping, outdoor or indoor flights, small volume calculation and static technical inspections. Flights with **Planes Foxy Slim and Foxy Pro** provide many benefits, and in particular, flying endurance allowing work missions over large areas.



Benefits that will revolutionize your business

Perfectly adapted image processing

Hélicéo is a distributor of the Pix4D photogrammetric mapping suite. We commercialize licenses, ensure training, and support our customers to use the Pix4D tools chain. We guide them to geo-referenced points cloud generation, DTM, orthophotos production, and 3D volumes calculation.

High accuracy

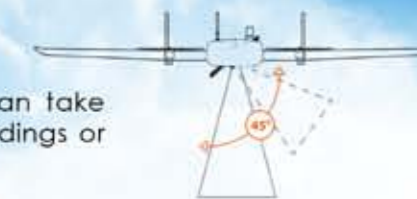
Hélicéo's UAS are equipped with the RTK GPS L1 /L2 positioning system which makes measurements under 1.5 cm /pixel (0.6 in/pixel) resolution and 2.5 to 5 cm (0.98 to 1.96 inches) Instrumental positioning accuracy

Increased productivity

Our airborne direct geo-referencing system enables the suppression of Ground Control Points (GCPs).

Oblique images

All our UAS (planes and multirotors) can take oblique and horizontal pictures, of buildings or frontages.



The DroneBox for UAS & UVS

In order to fit the market needs, but also to fit economic issues, Hélicéo created the DroneBox. Ranging as a true technological core, the DroneBox package includes the following features: GNSS, telemetry controller, flight controller, data storage unit, communication & control cards. All items are adapted to our planes, multirotors, bathymetry and terrestrial solutions. The DroneBox is the core of the equipment of our UAS & UVS.

