



**Hélicéo**  
Geomatic Innovation & Technology



**FOX**

UAS & UVS

for surveyors and topographers

# 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 multicopter, 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.

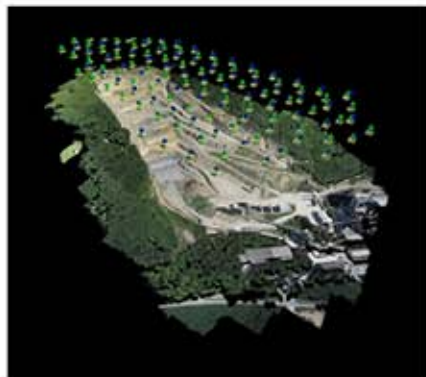
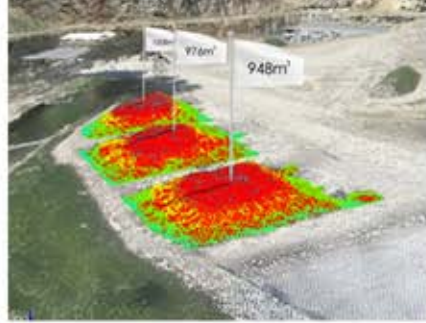


VTOL (Vertical Take-Off and Landing)

	<b>Multicopter Fox4 / Fox6</b>	<b>Plane Foxy Slim / Foxy Pro</b>
Autonomy	15 to 30 min	45 min to more than 1h
Payload	0.6 to 3kg - 1.3lb to 6.61lb	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

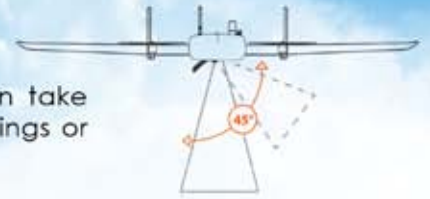
Hélicéo's UAS are equipped with the RTK GPS L1 /L2 positioning system which makes measurements under 1.5 cm /pixel (0.6 in/pixel) resolution and 2.5 to 5 cm (0.98 to 1.96 inches) Instrumental positioning accuracy

### 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.



# 6 Benefits of the Hélicéo's UAS & UVS

1

## Exceptional accuracy

HD Digital camera sensor  
GPS Centimetric accuracy

4

## Optimize your investment

With the DroneBox technology

2

## Increased productivity

No Ground Control Point (GCP) is necessary

5

## Reduce your operating costs

With Vertical Take-Off and Landing (VTOL),

3

## Increase your business

You can realize various UAS & UVS tasks

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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