

### DRONEO water resources assessment and valorization

#### DESCRIPTION

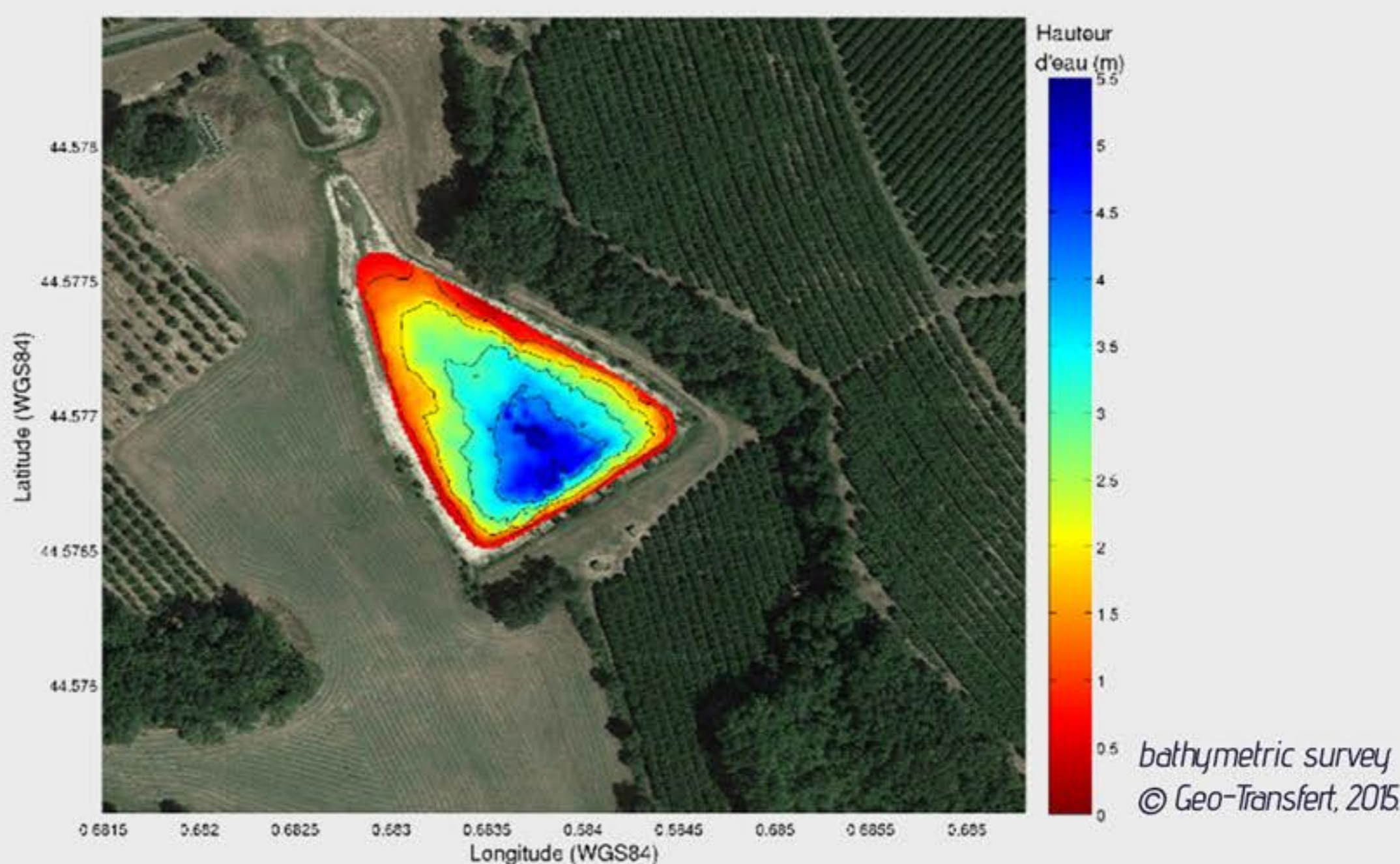
This unmanned surface vehicle (USV) is designed to realize inspection missions and take environmental samples. Droneo is able to carry several types of bathymetric, physico-chemical and hydro-sedimentary monitoring sensors. With 12 hours of autonomy, Droneo can operate over a very wide area, up to 10 hectares a day depending on the mesh protocol. This data acquisition tool is easy to operate and very accessible. It allows one to make more frequent measurements and to improve the quality and accuracy of analyses.



*Agricultural lakes - water impoundments - ponds - dams - rivers - canals*

#### MISSIONS

- Irrigation management
- Preservation of the natural environment
- Visualization of dredging zones
- Calculation of available water volumes
- Waterway security
- Pollution prevention
- Optimization of dam storage



### MAIN CHARACTERISTICS

Size	55 l x 37 w x 13 H inches
Empty weight	30kg
Weight with 10kg sensor	100kg
Cruising speed	2 knots
Top speed	4 knots
Yield	3700m/h
Draft without options	5,5 inches
Autonomy	4 - 12h
Communication	2,4GHz/868MHz
Protection rating	IP67
Material	fiberglass and resin



### MOTORIZATION

Electric engine	2 propellers
Power supply	2 48V batteries

### AUTONOMOUS NAVIGATION

Autonomous GPS program	255 waypoints
Centimetric RTK	Inertial motion

### PACKAGE

MMI	10-inches tablet with dedicated touch control application
Transport	transport case
Charger	charger 110/220V
Use	operation/ user's manual

**EPOC** **GE** -Transfert

**UNICOQUE**  
noisettes et noix de France

**LaBRI**

**BORDEAUX**  
PORT ATLANTIQUE  
Votre ambition maritime

**R&DRONE**

20 Rue de la Pérouse  
33290 BLANQUEFORT  
FRANCE

**Contact**

contact@retdrone.com  
+33 (0) 533 891 810  
www.retdrone.com