



FORUM **AEROSPACE** INNOVATION

➤ APRIL 25 AND 26, 2016

**COLLABORATE
GLOBALLY
TO DEVELOP
AEROSPACE
INNOVATION**



IN COLLABORATION WITH:



ORGANIZED BY:



Québec's Aerospace Cluster

R&DRONE



DESIGNER AND MANUFACTURER of Unmanned Vehicles and Robotic solutions for professionals

- R&D engineering center + manufacturing unit + industrial processes
- We have autonomous platforms : 3 aerial drones (UAV), 1 maritime drone (USV) and 2 ground drones (UGV)
- Our manufacturing unit is a protean platform and offers:
 - Ability and autonomy to make **prototypes** : air, sea and land,
 - Ability to manufacture drones in **small series**,
 - Ability to **reuse** existing modules (mechanical, electronical, and embedded software) to reduce the "time to market " and the cost of the finished product .



IDENTIFICATION OF NEEDS

We work with our customers to identify the needs that can be met by the use of a drone in the course

DESIGN & DEVELOPMENT

We design and develop for our customers the robotic solutions that meet their specific needs

PRODUCTION

We ensure industrialization and control of mass production

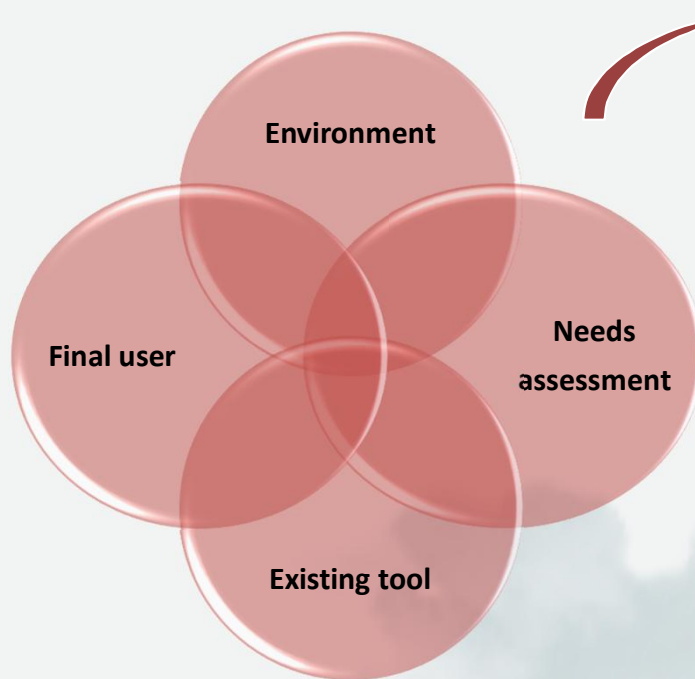


DRONEO

Multi-sensor Unmanned Surface Vehicle



Conceived to analyze aquatic environments to enhance water resources management, dredging and navigation



One Tool for Various tasks

- Optimization of dam water storage
- Preservation of the natural environment
- Visualization of dredging zones
- Irrigation management
- Bathymetric surveys
- Pollution prevention
- Waterway security



DRONEO

Unmanned surface vehicle able to carry several types of surveillance sensors :

Bathymetry

- Surveying the underwater relief
- local reflectivity of the bottom

Sediment analysis

- Sediment Mapping
- Measurement of mud density

Physico-chemical analysis

- Temperature
- Conductivity
- Dissolved Oxygen



Competitiveness – Performance – Quick acquisition – Safety – Efficient use



| | |
|-------------------------------|-----------------------|
| Seize (Inches) | 50 x 37 x 13 |
| Weight | 30kg |
| Weight with batteries/sensors | 100kg |
| Draught (inches) | 5,5 |
| Autonomy | 5 or 12 hours |
| Energy | Electric |
| Material | fiberglass and resine |



