



**Leading innovation in underwater  
instrument and marine technology.**

One of our main values is our concern about the environment, reason why Albatros Marine Technologies was born with the objective of developing technologies which will allow marine environment research and monitorization, with an affordable price and adapted to our customer needs.

**What can we offer you?**

**Our standard products: MicroROV and MiniDrifter**

**Project development: 3D CAD, basic and detailed design of mechanical components, electronics circuits and software, prototype manufacturing and small series production**

**Collaboration in you own project within our intensive know-how areas**

**... having always in mind our main values:**

**Reliability**

**Robustness**

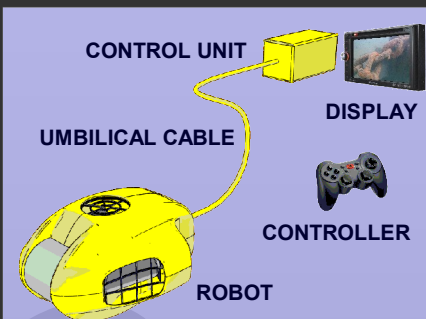
**Economy - Affordability**

**Ease of use**

**Visual attraction**

**Albatros Marine Technologies S.L.  
C/ Miquel Marques 21  
07190 Esporles  
Islas Baleares - Spain**

**Tel +34 971 611 825  
Fax +34 971 611 761  
web <http://www.albatrosmt.com>  
e-mail [amt@albatrosmt.com](mailto:amt@albatrosmt.com)**



## ***Micro-ROV***

**UNDERWATER ROBOT  
ROV-REMOTELY OPERATED VEHICLE**

### **INSPECTION**

Inspect underwater structures and equipment, boat hull and propeller, ports, chains and moorings, fish farms, ...

### **SECURITY**

Program and follow scuba dives, check your anchor and the surroundings of your boat, use it for search and rescue operations, ...

### **VISION**

Enjoy watching and recording underwater wildlife, archaeological shipwrecks, ...

### **VERSATILITY**

Convenient, intuitive, reliable and easy to use

### **TECHNICAL SPECIFICATIONS**

Robot weight 4,5 Kg.

Dimensions 32x24x20cm

Maximum depth 50m

Tilt camera with LED lightning

Neutral buoyancy cable in sea water

Wireless gamepad controller

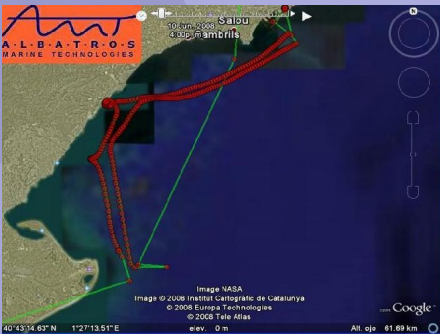
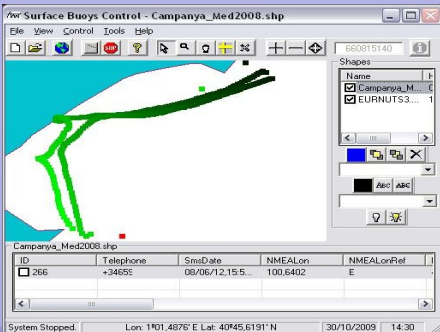
Batteries for autonomous use

### **ADVANCED FEATURES**

Automatic control of depth and orientation

Auto-Pilot (Course-speed and depth)

Relative compass



# MD02 MiniDrifter

## CURRENT TRACKING GPS-GSM LAGRANGIAN DRIFTER

### TRACK AND POSITION

Track and follow coastal sea currents at the desired depth getting the GPS position at the configured frequency via an SMS on your phone or PC/modem.

### SECURITY

Designed having in mind safety and security. It is very lightweight and has a flexible closed cell PE foam buoyancy that keeps your drifter and boat navigation safe.

### TECHNICAL SPECIFICATIONS

Weight 1 Kg

Dimensions: 10cm diameter x 24cm height

Autonomy of 150-480 hours depending on transmission frequency and running mode

GPS positioning

GSM (SMS) communication

Sea surface temperature sensor

Internal error management and filtering

Optional drogues: rigid biplane or flexible nylon

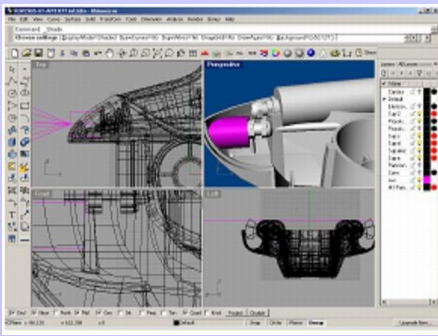
### SOFTWARE

Software program based on a GIS application that runs on a PC with the base station modem:

Communication frequency configuration, preview of received data (time, GPS, battery level, SST, ...)

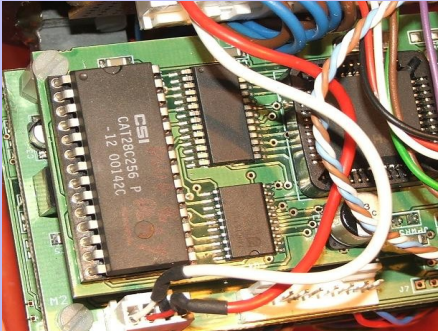
Compatibility with GoogleEarth





# SERVICES

We can help you at all the steps in your development project. From the conceptual assistance in the design phase to the whole project development and manufacturing of the final prototype.



## MECHANICAL DESIGN

With our mechanical CAD (Computer Aided Design) software we can design directly in 3D the components and assemblies to its further manufacturing and assembly.



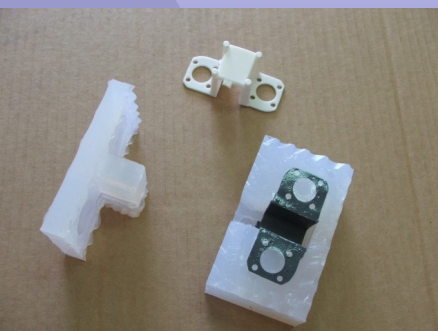
## ELECTRONICS DESIGN

With our electronics CAD (Computer Aided Design) software we can design the block diagrams, schematics and PCBs (printed circuit boards) necessary to control actuators, sensors and communication in our products and projects. We have the capability of PCB manufacturing and testing.



## MANUFACTURING

We have the resources and tools to manufacture almost every mechanical component: lathes, milling machine, welding equipment, and manual tools. We can test the housings and instruments up to 100 meters depth in a pressure chamber.



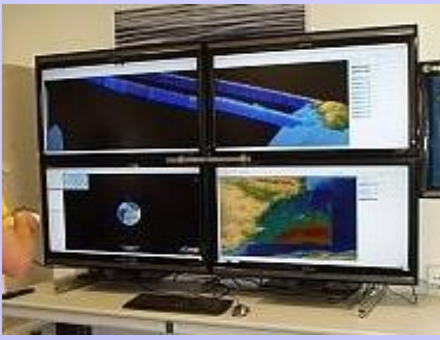
## CNC MACHINING

We can offer you the possibility to machine complex components with a CNC (numerical control) machining center.

## RAPID PROTOTYPING and MOLDMAKING

We can print your prototypes directly from a CAD model with a 3D printer, we can make silicon molds from a master model, or machine the mold with our CNC, and replicate components by vacuum casting of epoxy/polyurethane resins.





## **PROJECTS**

Having always in mind the objective of solving our customer needs, we offer you our know-how and resources to develop a product tailored to your particular needs, or the modification of a product to fit your personal application.



We can offer you the design of a specific product tailored to your needs, from the design plans to the initial product run of unit or small production series. Some examples:

### **VITRIOCEAN**

Design and manufacturing of a videowall and software for 3D ocean data observation.



### **SUBCAM**

Design and manufacturing of a system to get orthogonal images of the seabed. Development of the software for image acquisition and GPS reference.



### **LIZARD TRACKING**

Autonomous system of RF emitters tracking by triangulation of 2D programmable scans.

### **TORQUE METER**

Scientific instrument for torque measurement.



### **TMEM**

Traverse Micro Erosion Meter.

### **PIEZOMETERS**

Design and manufacturing of piezometers for water sampling on coastal sand - seabed.

### **FISH TRACKING**

Development of an automatic acoustic fish tracking system from a moving boat.

