



Comprehensive
solution for tuna
detection and
fishing

ZUNiBAL 

Comprehensive service for tuna fishing



We offer to our customers a comprehensive service, from the research, design, prototype to the industrialization. We have full control of all our products and services. In this way we can adapt the developments according our clients' needs and implement improvements in a more agile way.

The global development of products and our ability to meet their expectations has helped us to earn the trust of our customers. They know that they can count on us 24 hours a day, 7 days a week. Always.

We want to make the life easier for our customers with our technological developments. Under this premise, we developed a comprehensive system for the tuna fishing.

Satellite buoys of locating and tracking designed for achieve an efficient and





sustainable fishing. We know that the fast and reliable way to locate the FAD is fundamental to achieving the objectives. So we have designed robust buoys, with high reliability, with better sealing, easy to handle and with environmentally friendly materials.

These buoys along with the management software will allow you a significant savings in time and fuel in addition to sustainable fisheries because work so that the exploitation of fisheries resources that we do today does not risk the future.



The TUNABAL 7 buoy facilitates an efficient and sustainable fishing. Its robust and suitable for sea environment construction guarantees the sealing of the product thereby extending its usable life.

It offers a comprehensive analysis of Echo by combining advanced technologies in satellite communications and the latest technology of ultrasonic exploration, discriminating the Bycatch and ensuring the sustainability of fisheries resources.

ADVANTAGES

- » **Flashes location:** flash and message every 15 minutes during 2 hours (ad hoc on and off).
- » **High resolution** transducers and own manufactured.
- » **Automatic management of energy consumption.**
- » Unique flat rate, without need of alternative technologies (email or other communication equipments).
- » **Requests per demand,** permanently open, provides immediate answers without need of programming.
- » **Real-time information:** GPS position, course, speed, water temperature, energy level, transceivers status and percentage of fishing.

OPERATION MODES

Automatic mode

- » Two sets a day of complete information.
- » Automatically sends multiple soundings daily.
- » Analysis and representation of the sounding at the time of maximum concentration.
- » Sending the percentage of capture.
- » Graphic and historical representation of the soundings.
- » Start time and frequency configurable by the user.

Manual mode

- » Requests per user demand.

Tracking mode

- » A message every 15 minutes during 2 hours.

Magnifier function

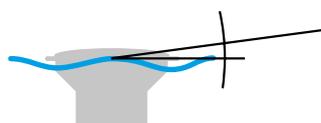
- » Configurable by the user.
- » Multiple magnifiers daily.
- » Sending percentage of captures.
- » Resolution per layers configurable up to 2 cm.
- » Graphic of the detection percentage of each magnifier.

Fortuna function

- » Sounder request per demand.

ECHO SOUNDER

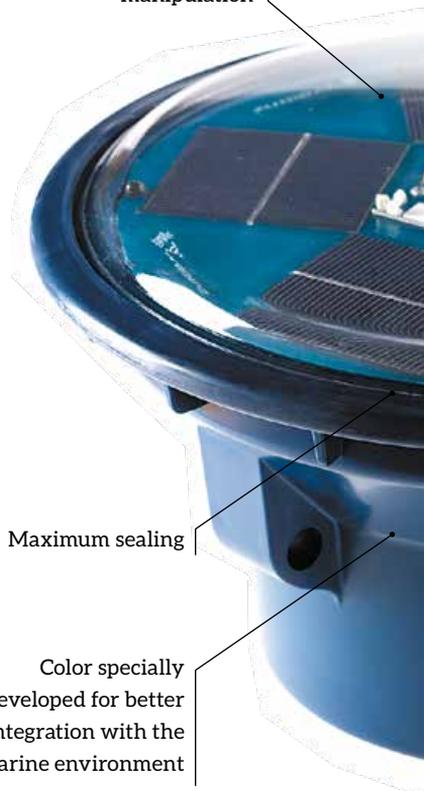
- » Designed with the latest technology in ultrasonic exploration.
- » Provides a comprehensive study on real-time with analysis per layers up to 2 cm.
- » Provides real-time information of the detection of the shoal and the biomass distribution.



Flatter surface

Better integration with the environment.

Designed with solar panels, free of maintenance, spare parts and consumables, avoiding additional costs and loss of sealing by manipulation



Maximum sealing

Color specially developed for better integration with the marine environment



The ZUNI 7 buoy facilitates an efficient and sustainable fishing. Designed with solar panels, free of maintenance, spare parts and consumables, avoiding additional costs and loss of sealing by manipulation. Its robust construction ensures the sealing of the product, thus extending its usable life.

ADVANTAGES

- » Location flashes.
- » Automatic management of energy consumption.
- » Single flat rate
- » Requests per demand
- » Real-time information.

OPERATION MODES

Automatic mode

- » Two packs a day of complete information.

Manual mode

- » Requests per user demand.

Tracking mode

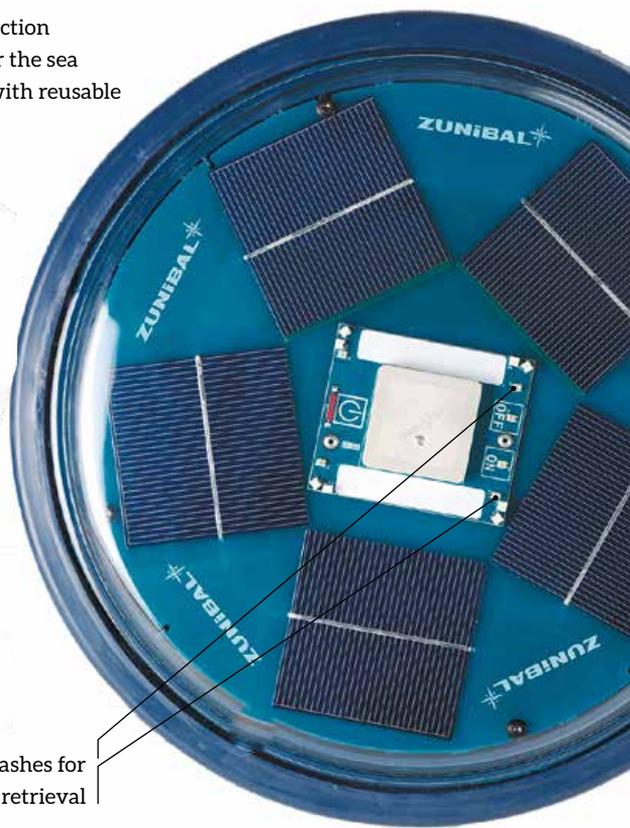
- » A message every 15 minutes during 2 hours.



On and Off system



Robust construction and suitable for the sea environment with reusable materials



Location flashes for easy retrieval



ZuniSea Controller



Comprehensive management tool that optimizes and facilitates the tuna fishing. Fully autonomous equipment offering a full control of the buoys and fishing tools without need of alternative technologies or equipments because it has incorporated two high-speed satellite communicators.

ADVANTAGES

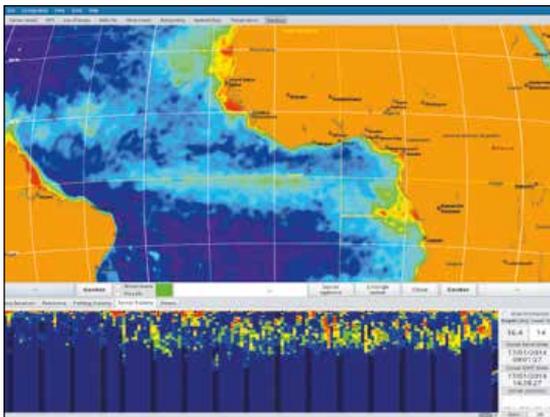
- » Operation autonomy: simplicity for handling and cost savings.
- » Provides real-time information of GPS position, course, speed, water temperature, energy level, transceivers status and percentage of fishing.
- » Agile and intuitive system, with multi-windows presentation, configurable according to the needs of each user.
- » Integration of the software For-TunaChart (maps of temperature, plankton, wind, hot-tuna points, salinity, etc.)
- » Communication in real time secure and confidential.

HARDWARE

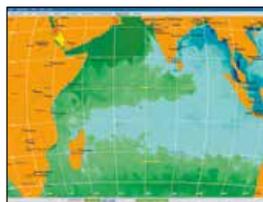
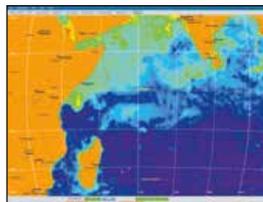
- » New Hardware, robust construction and suitable for the sea environment.
- » High speed CPU and without fans.
- » Latest generation processor.

COMMUNICATIONS

- » Satellite communication, immediate response.
- » Two satellite communicators of high speed.
- » Safe and confidential communications.
- » Real global coverage and permanently open.



Sounding Historical



SOFTWARE

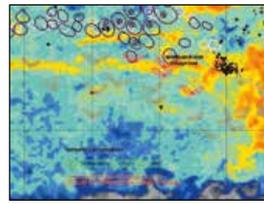
- » High resolution.
- » Maps per demand.
- » Agile and intuitive system.
- » Graphics of historical fishing.
- » Sounding historical.



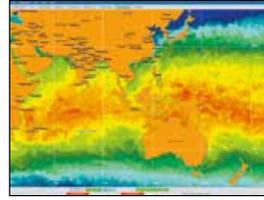
Comprehensive management tool that optimizes and facilitates the tuna fishing. Fully autonomous offering a full control of the buoys and fishing tools without need of alternative technologies or equipments.

ADVANTAGES

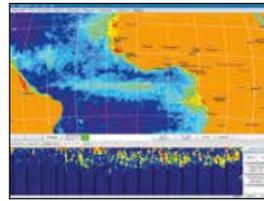
- » Provides real-time information of GPS position, course, speed, water temperature, energy level, transceivers status and percentage of fishing.
- » Agile and intuitive system with multi-window presentation, configurable according to the needs of each user.
- » Integration of the For-TunaChart software (maps of temperature, plankton, winds, hot-tuna points, salinity, etc.)
- » Communication in real time, secure and confidential.



Hot tuna points



Temperature



Plankton

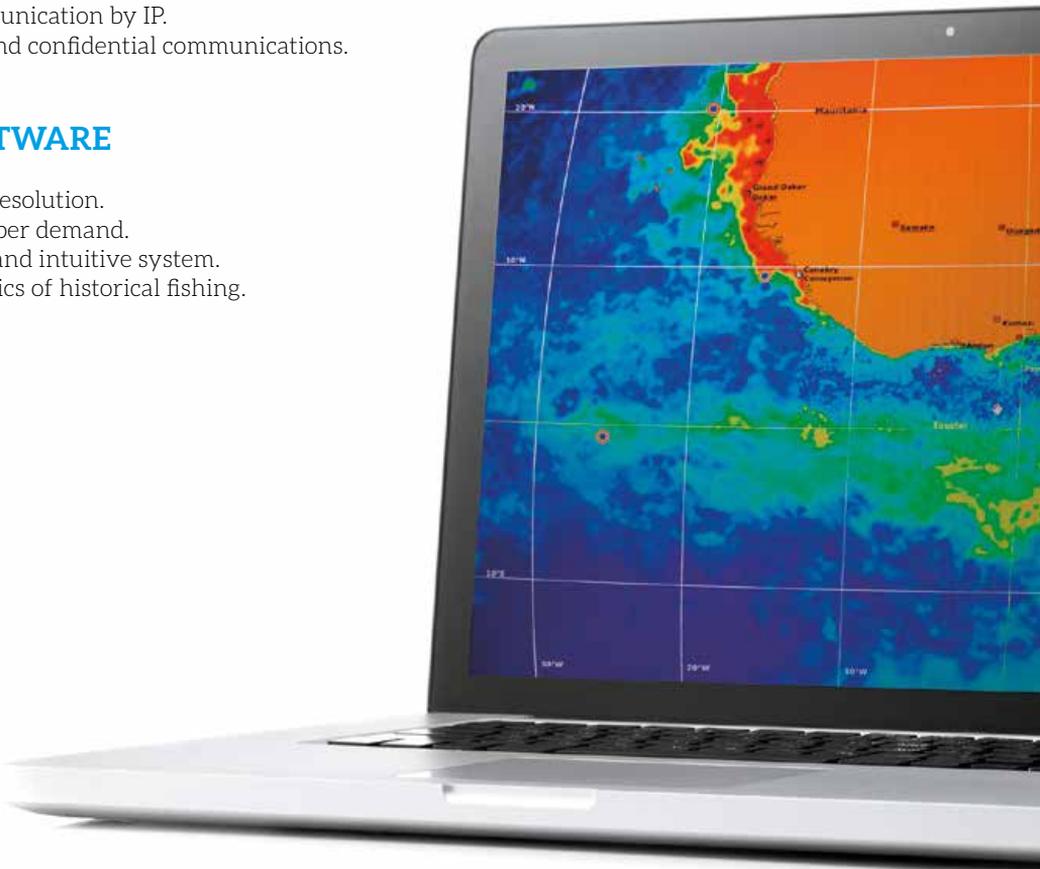
Sounding historical

COMMUNICATIONS

- » Communication by IP.
- » Safe and confidential communications.

SOFTWARE

- » High resolution.
- » Maps per demand.
- » Agile and intuitive system.
- » Graphics of historical fishing.



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