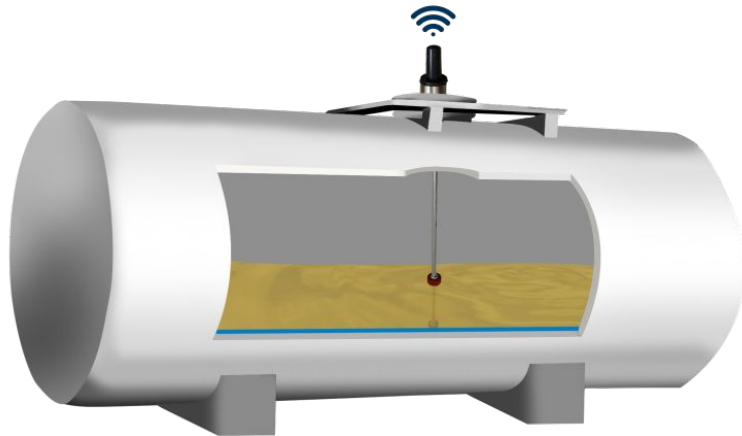
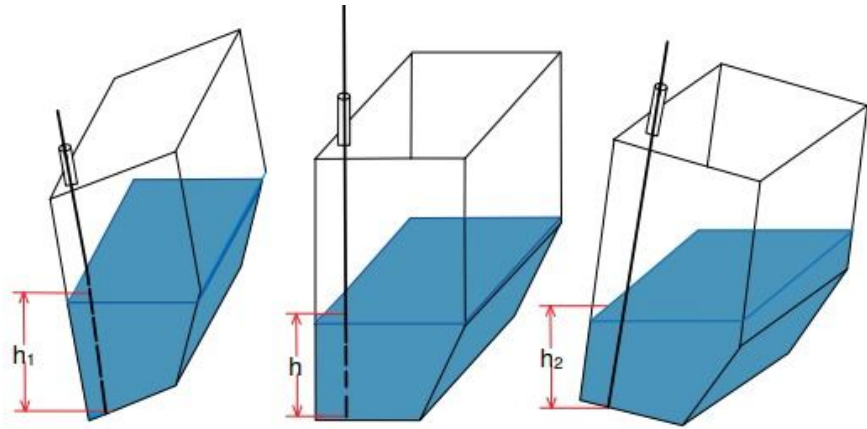




Automated Fuel Control  
System

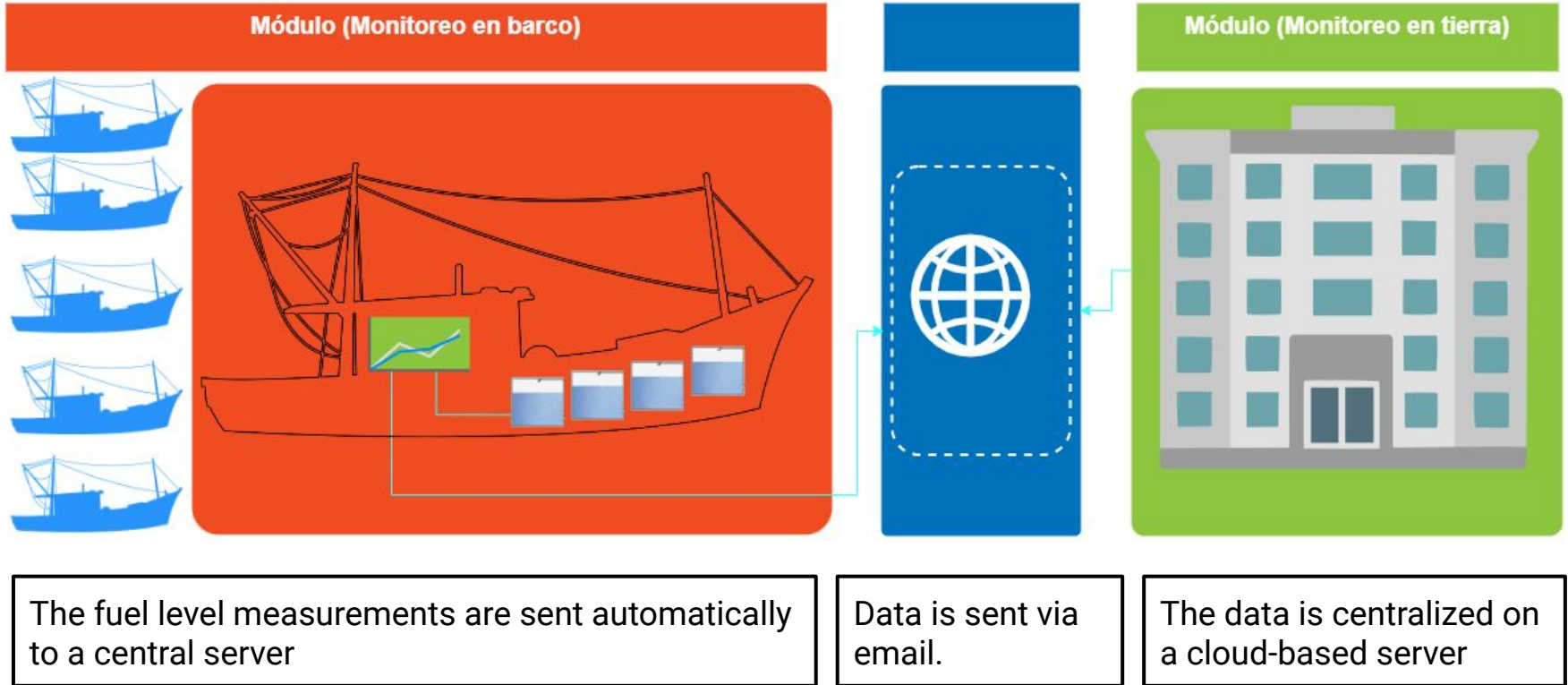
**for Fishing Vessels**

ExcelCall SA  
[www.excelcallsa.com](http://www.excelcallsa.com)



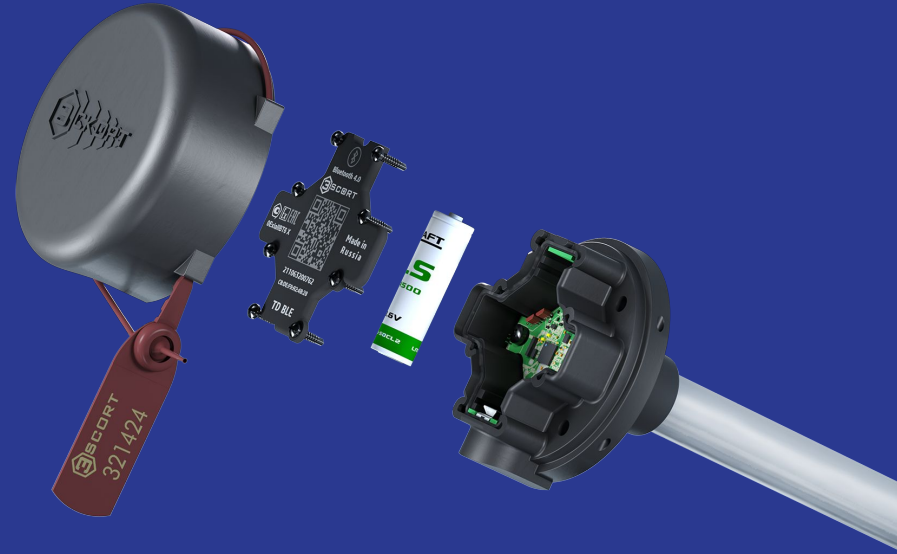
It is a technological solution that enables 24/7 real-time monitoring of fuel loading and consumption on open-sea fishing vessels. Monitoring can be conducted both from the vessel and from the shore

# General Flow



# Solution Components

- 1) A level measurement sensor, similar to the one in the photograph, is installed in each of the tanks to report the current fuel level; this can be replaced by an ultrasonic sensor
- 2) A software module, along with an industrial PC terminal, is implemented inside the vessel to graphically represent real-time fuel levels from various tanks."
- 3) A second software module is installed on a cloud-based server, which receives measurement results from the various tanks on the vessel for subsequent analysis. It can include an entire fleet of fishing vessels



# Overview

## Set-Up

### Sensors

In each tank, a conductive fuel level or ultrasonic sensor, should be installed, while simultaneously recording measurements of the tanks, even if they have irregular shapes.

## Open-Sea Monitoring

### Real-Time

All sensors are connected to a PC terminal where software is installed to graphically represent each of the tanks and the actual fuel level

## On-Shore Consolidation

### Batch

Each vessel transmits data from its individual tanks to a central server, which consolidates fuel information. Additionally, we have the capability to send location and other data

# Advantages

## Local Support

We have highly trained professionals responsible for sensor installation, software implementation, and on-site or remote technical support

## New Sensors

We can expand the use of our solution by integrating new solutions, for example:"

- Temperature
- Speed
- Locations on maps
- Heading
- Inclination, and more...

## Updates

We are integrating new enhancements such as:

- Alerts

Similarly, we can integrate new modules:

- Fish Level Control in Tanks
- Electronic Logbook
- Expense Control

# Advantages



## ODOO, a world-class ERP

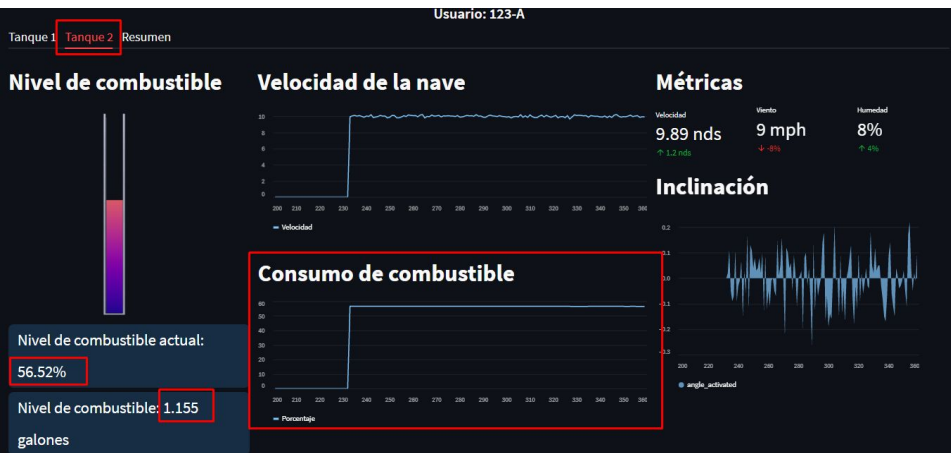
"As an ODOO partner, we utilize one of their modules for fuel data consolidation and presentation. Additionally, we can extend the use of the ERP, for instance, by implementing an electronic logbook that allows the ship's crew to report updates to the control entity."



# On-board monitoring

Data is presented in real-time in two ways:

- 1) Through line charts
- 2) Through a graphical representation of the actual tank design





## Nivel de combustible global

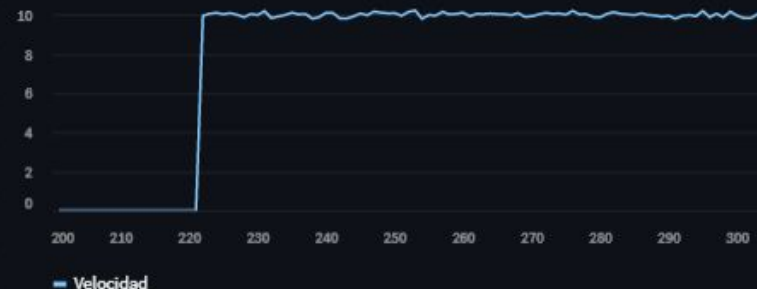


Nivel de combustible total actual: 57.709999999999994%

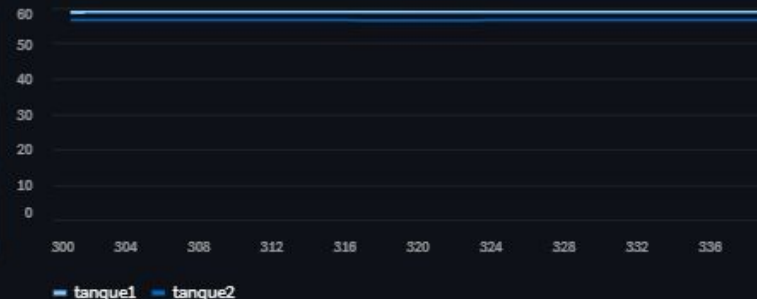
Nivel de combustible de la nave: 2.358 galones

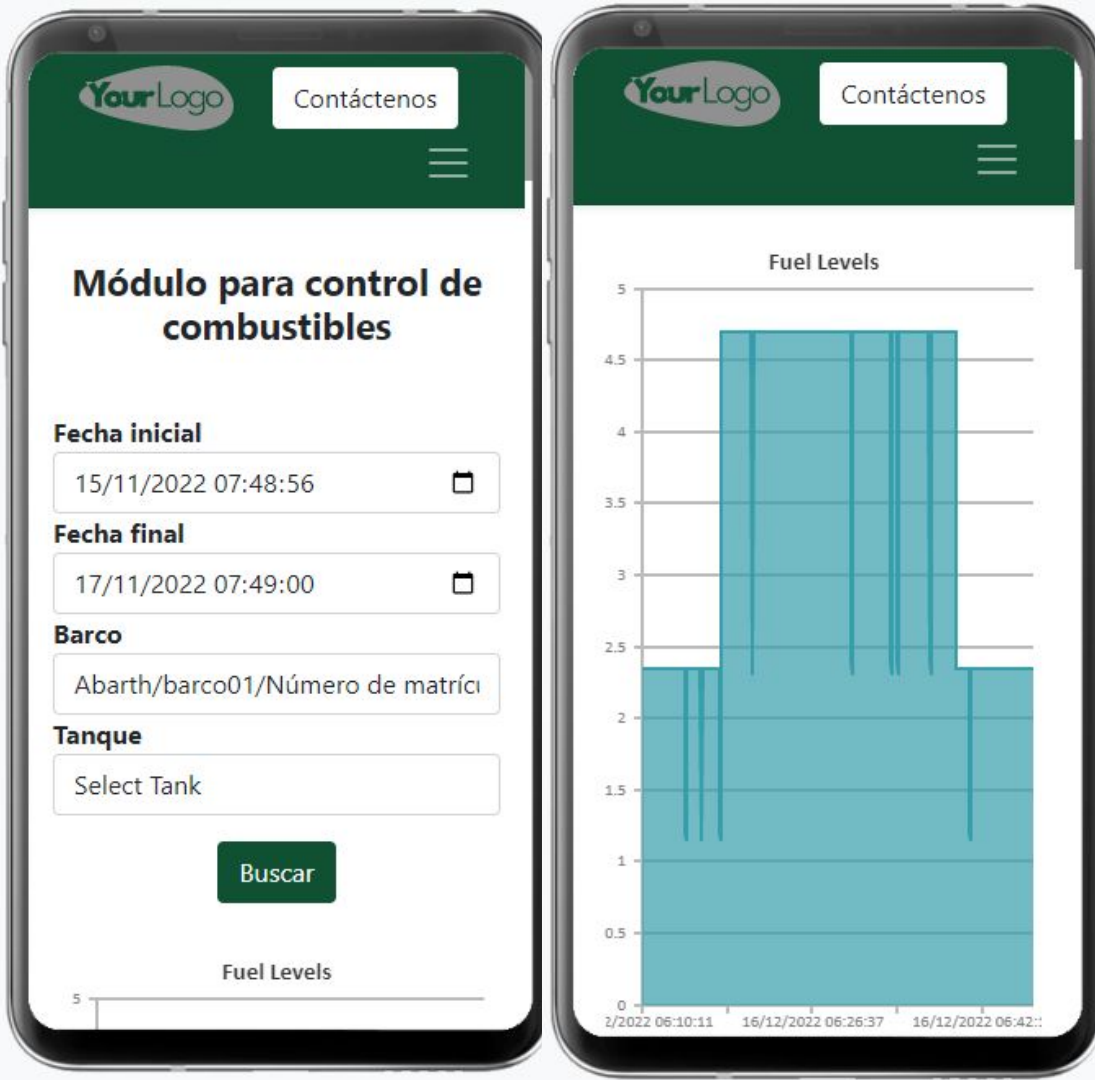
Velocidad actual: 10.0

## Velocidad de la nave



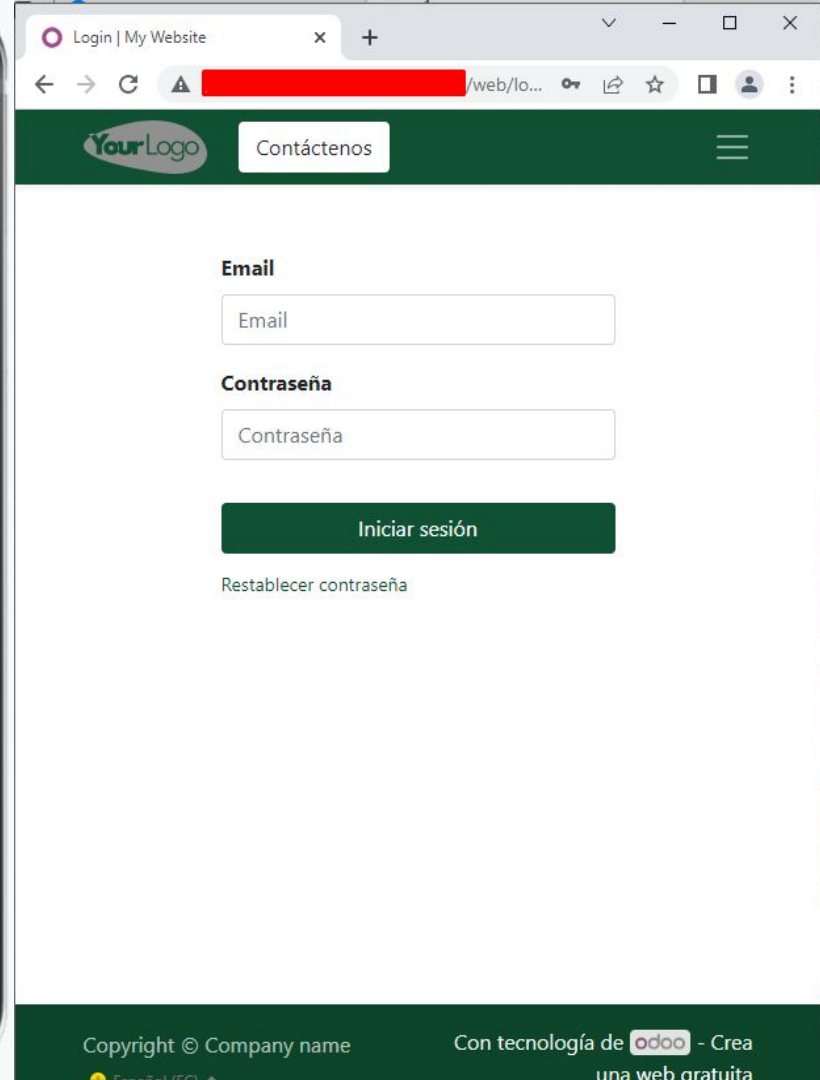
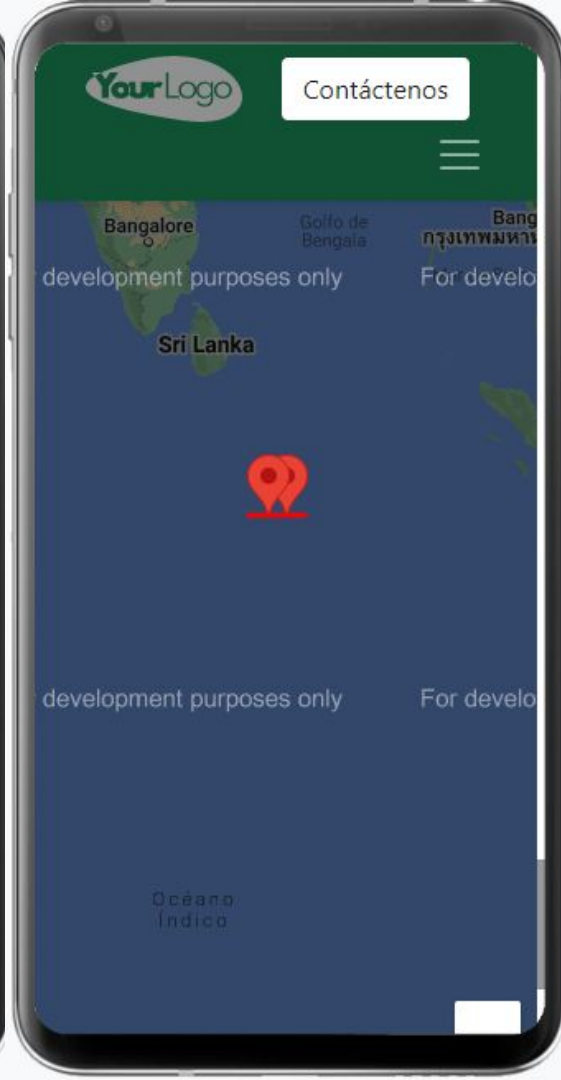
## Consumo de combustible





# OnShore monitoring

At any time, using just a web browser, the client can log in with their username and password and check fuel consumption levels for a specific date and time range.



# ExcelCall SA

Focused on the development of technological solutions. We specialize in software development and sensor integration for various industries.

[www.excelcallsa.com](http://www.excelcallsa.com)





More  
information

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