



Thank you for your interest in SmartBoat products and services.

SmartBoat Server is an application for the remote control and monitoring of vessels adapted to their special needs implemented by our team.

Records and stores, with high frequency and accuracy, data of boat position and data from the sensors installed on it (optional). It also has the ability to send in many ways (**e-mail, push notifications, webhook etc.**) notifications for events that the user needs to be informed about..

For example, in the event of a power outage of SmartBoat device or boat's battery failure, the system send an e-mail to the assign addresses and a notification on the application screen. The same can happen when the boat exceeds the permissible Geographical limits or exceeds predetermined value limits from the installed sensors (**e.g. Radiator temperature, Fuel tank level, Wind intensity, etc.**). We configure all this data for you based on your instructions.

With SmartBoat you can have real time information for the following data:

1. Geographical location of the boat.
2. Supply voltage of the device (**12 / 24Vdc boat's batteries**).
3. SmartBoat device internal battery level. In case of power supply failure the device can operate through internal battery for 24 hours.
4. Temperatures (**up to 4 thermometers**). System can monitoring temperatures of fridges, air condition, ambient temperature etc.
5. **GSM** network signal strength.
6. Number of connected **GPS** satellites.
7. Boat speed.
8. Exceeds Geofences
9. Engine Speed.
10. Tanks levels fuel and water (**Fuel Theft Detection**).
11. Water inflows alarm.
12. Smoke/temperature sensors alarm.
13. Engine status and data (**is boat's engine support can-bus protocol**)
14. Wind speed.
15. Connection to connectable onboard systems. e.g. Engines via **CAN** network or **OBDII** port.
16. All data is stored and there is the possibility of historical retrospection for 30 days.
17. Automatically generate reports on a daily basis for connected boats and vehicles

All sensors that can be installed do not interfere with the existing systems and instrument of the boat. They are completely autonomous and are used only for the purpose of SmartBoat.

(We are currently developing impact sensors and sea depth sensors so that you can be immediately informed in the event of a cruise in shallow water or in the event of a boat collision.)

The basic SmartBoat sensor and data package includes the following:

1. Geographical location of the boat.
2. Device supply voltage.
3. SmartBoat device battery level.
4. Percentage of GSM signal.
5. Number of connected Satellites.
6. Boat speed.

Included all the notifications for:

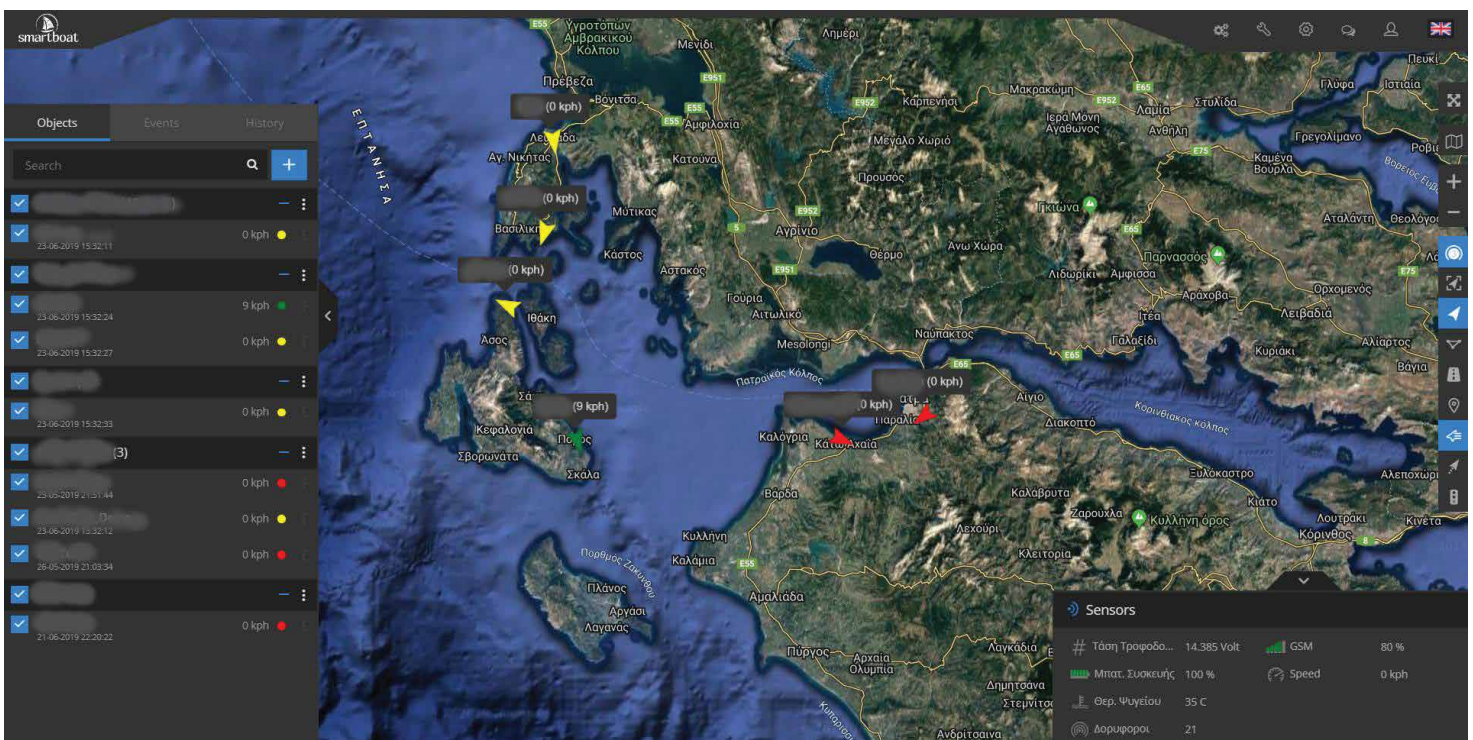
1. Boat's Battery low Voltage
2. SmartBoat device power supply failure
3. As many Geofences you want.
4. Moving from a locked position.
5. Collision or crash notification (experimental stage)
6. Jamming notification.

Jammers are network interference devices that cancel all wireless networks (GSM, GPS, WiFi, BlueTooth etc) and used for illegal actions. Someone can stole the boat and cancel the GPS monitoring and alarms.

Our SmartBoat device can detect jamming devices and make an action local (energize arelay).

When GSM network recover on SmartBoat device after jammer device shutdown, sending notification.

Ακολουθεί εικόνα με την εμφάνιση του περιβάλλοντος της εφαρμογής με σκάφη στο βασικό πακέτο.




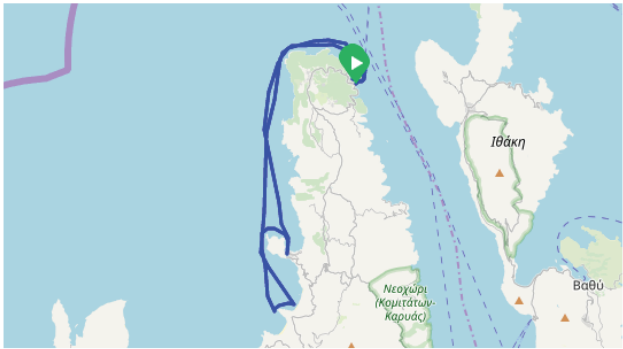
Κεντρική οθόνη εφαρμογής SmartBoat



SmartBoat send every day a daily route report for every connected boat.
An example to following photo. The maps are interactive and you can zoom in and out for more detail.


Report type: Routes 23-06-2019 00:00:00 - 24-06-2019 00:00:00 (UTC+3:00)

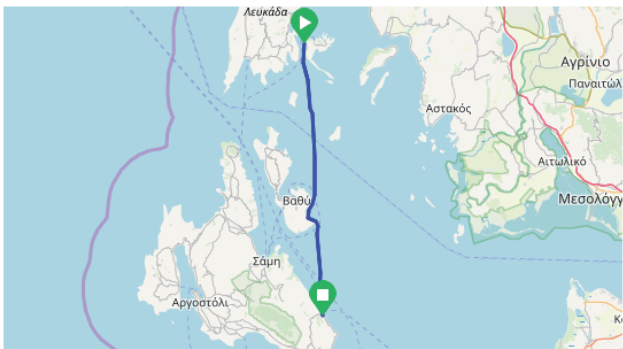
Device: 



Route start:	23-06-2019 00:00:24	Engine hours:	3h 8min 50s
Route end:	23-06-2019 15:42:41	Engine work:	3h 8min 20s
Route length:	44.62 Km	Engine idle:	30s
Move duration:	3h 13min 20s		
Stop duration:	12h 28min 27s		
Top speed:	17 kph		
Average speed:	14 kph		
Overspeed count:	0		
Stop count:	3		

Report type: Routes 23-06-2019 00:00:00 - 24-06-2019 00:00:00 (UTC+3:00)

Device: 

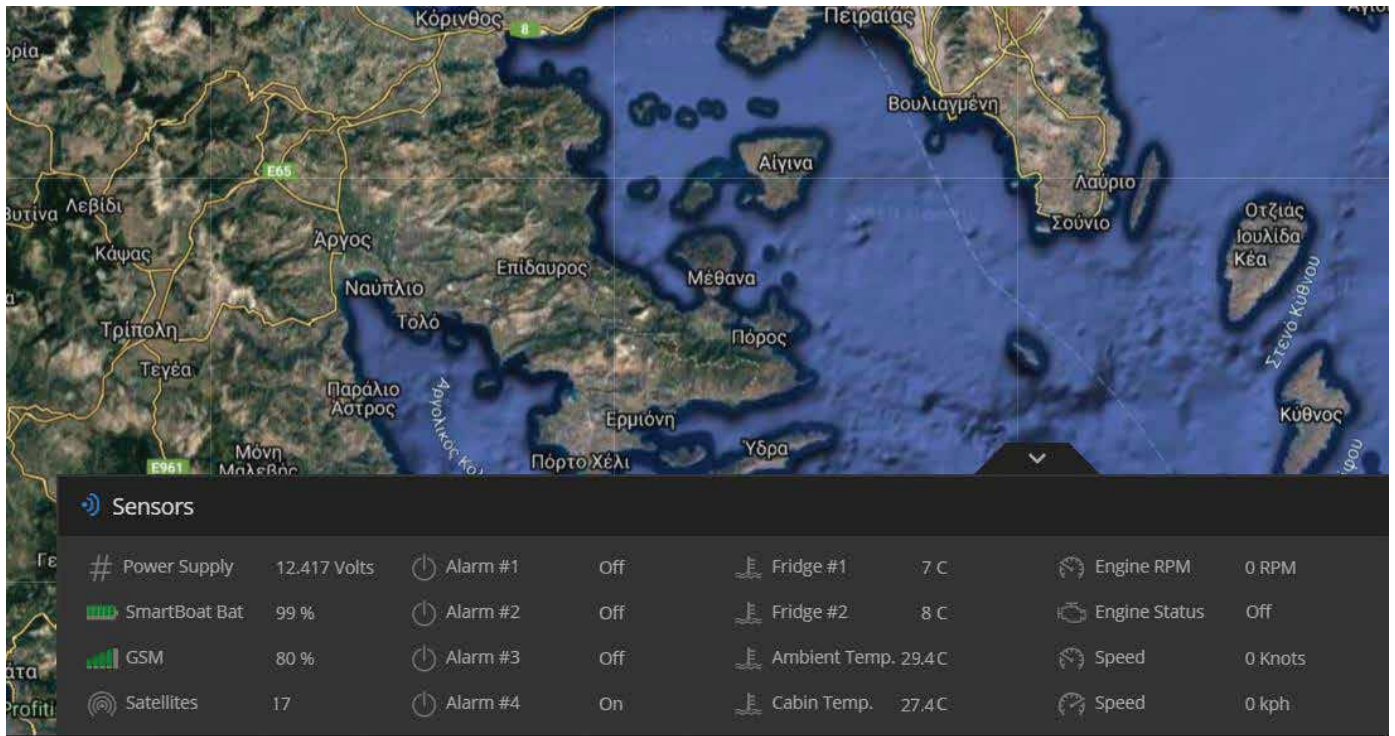


Route start:	23-06-2019 00:00:49	Engine hours:	4h 25min 56s
Route end:	23-06-2019 15:43:00	Engine work:	4h 16min 30s
Route length:	59.11 Km	Engine idle:	9min 11s
Move duration:	4h 17min 25s		
Stop duration:	11h 24min 30s		
Top speed:	16 kph		
Average speed:	13 kph		
Overspeed count:	0		
Stop count:	4		



Here is an image from the sensors attached to a boat

Example of sensors on a boat



- All data is recorded and stored so that the history of each object can be checked at any time.
- For each client we create a personal login page with their logos.
- To implement the system, we place on the vehicle/boat a device from a leading manufacturer with whom we cooperate, which gathers all the desired data and sends it through the GSM mobile network to the SmartBoat central server.
- We use Global Sim cards and have connectivity in 151 countries around the world. In Greece we connect to all networks based on the strongest signal in the location of the object.
- No extra charge and no extra payment to third parties for the operation of the system.

** In any case any need or desire of yours,
we study it and give you the best proposal
to customize your boat or fleet.*