



## The Sailbuoy

The Sailbuoy is a long duration unmanned surface vehicle designed to support a wide variety of instrumentation payloads. It can keep station or follow a track. Data is transmitted to and from shore in real time via satellite.

### Key Features

- Extreme range and endurance
- Robust, collision tested
- Performance in very high sea states (9+)
- Navigation in high latitudes and low light conditions
- Low operational costs
- Autonomous operation, minimal user interaction
- Real-time data
- Lightweight (60 kg – easily handled by two people)
- User friendly (both deployment/retrieval and control)
- Low visual/acoustic/electrical/radar signature
- HSE friendly

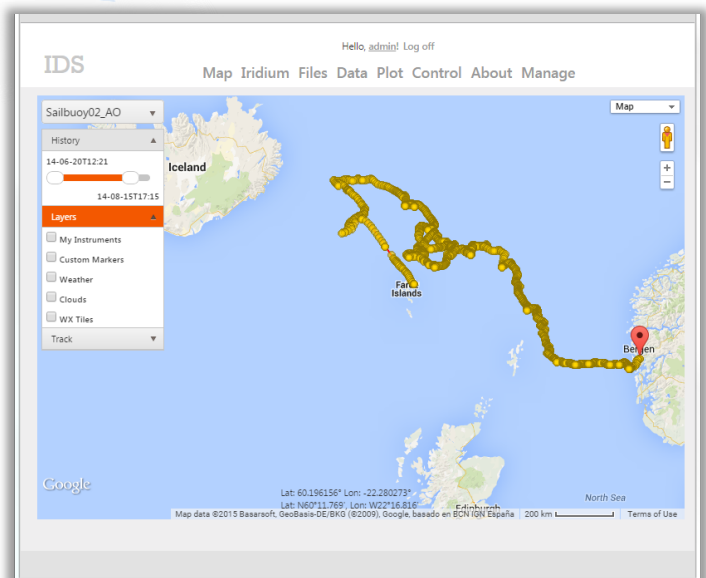


### Applications

- Meteorological and oceanographic data
- Fish finding
- Subsea gateway, data relay
- Water quality surveys
- Oil spill detection
- Wave measurement
- Echosounder surveys

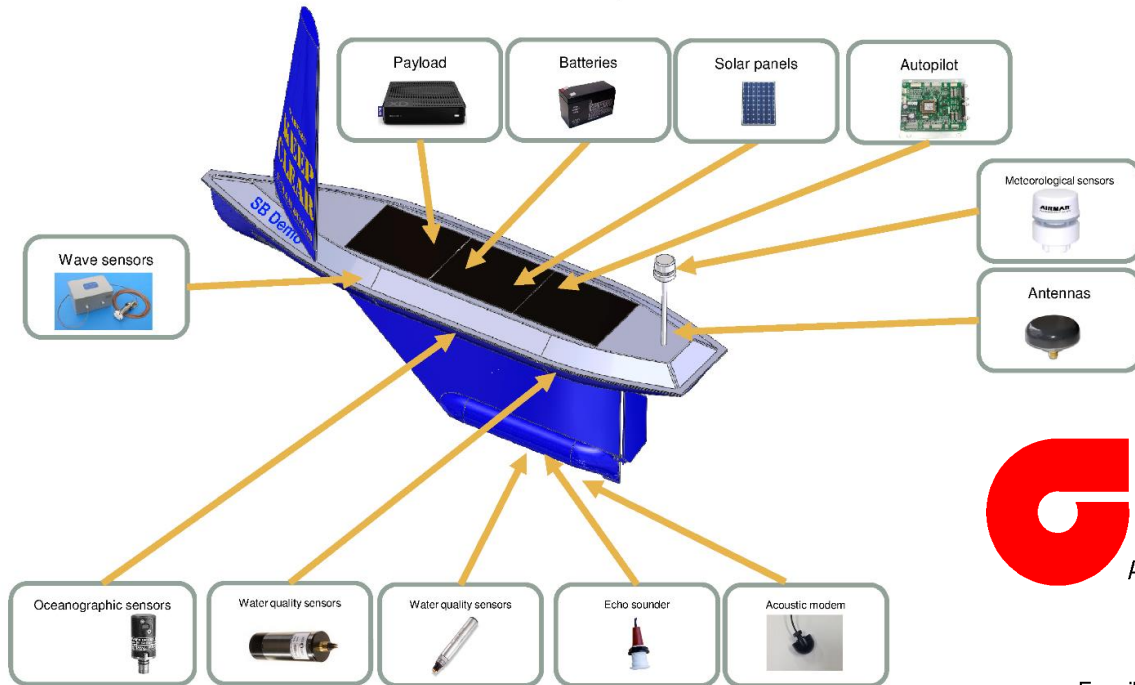
### Sensor integrations

- Aandera optode
- Aandera conductivity sensor
- Nbosi conductivity sensor
- Simrad WBT echosounder
- Evologics acoustic modem
- Airmar weather station
- Wetlabs chlorophyll
- Turner C3 (turbidity, crude and refined oil)
- Datawell wave sensor



# Offshore Sensing AS

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## Technical Specifications

Physical	
Length (LOA)	2 m
Beam	0.52 m
Height	1.13 m
Draft	0.57 m
Sail Area	0.4 m <sup>2</sup> / 0.6 m <sup>2</sup>
Displacement	60 kg
Payload	10 kg
Propulsion	Wind
Operation	
Operational duration	Several months
Speed	1-3 knots
Navigable wind speed	3-30 m/s
Navigable wave height	15+ m
Control	Cloud serviced web server for data and piloting
Communication	
Autopilot Communication	Iridium SBD
Payload Communication	Iridium

Offshore sensing AS is dedicated to the production, design and sales of the Sailbuoy. Offshore Sensing AS is based in Bergen, Norway  
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