



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.

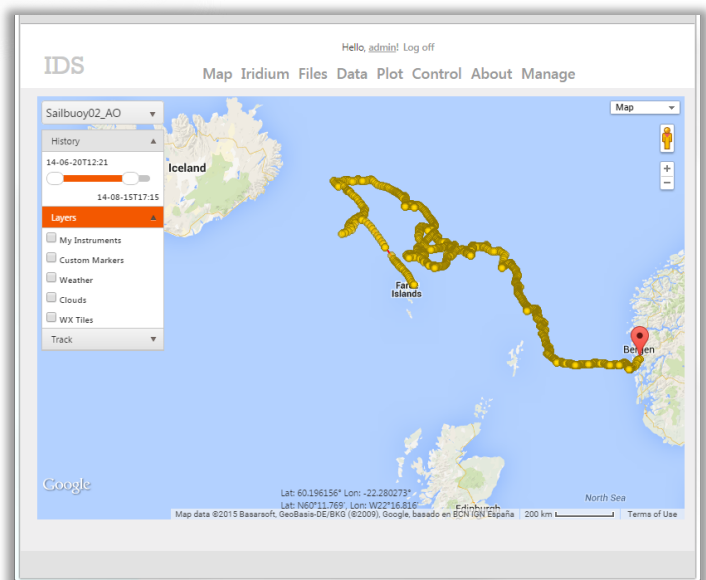
Key Features

- Extreme range and endurance
- 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 signature

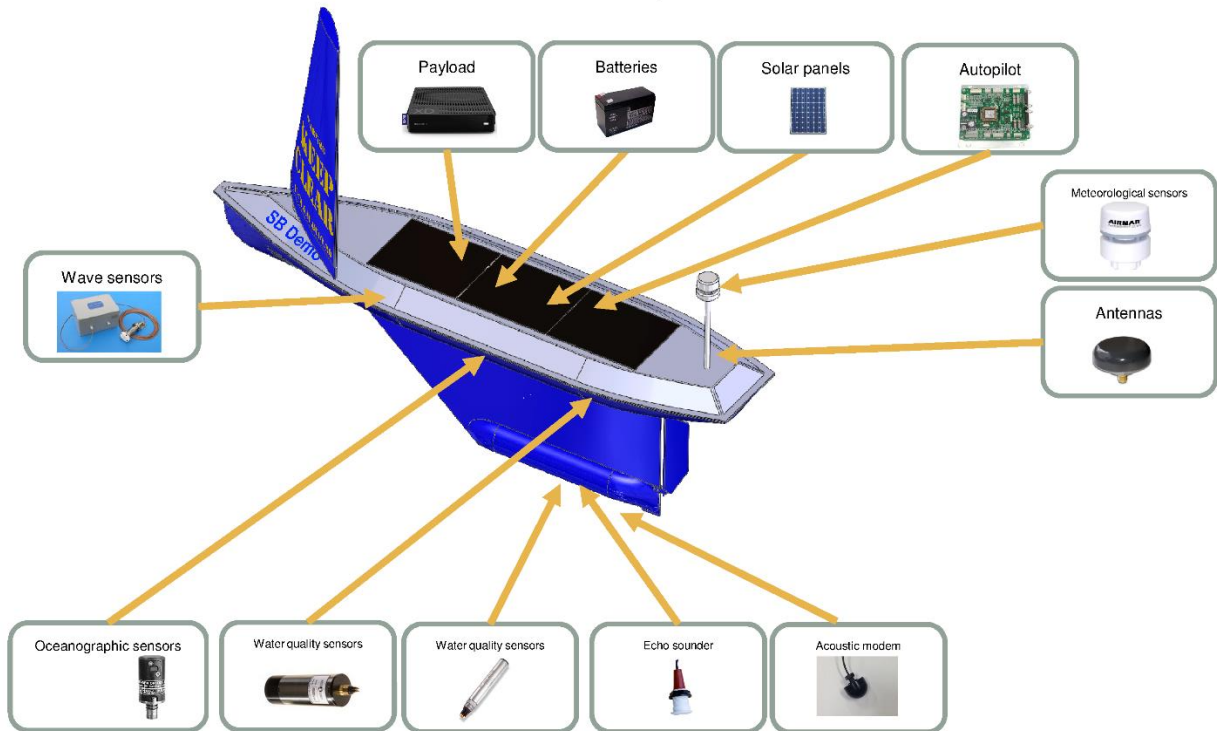


Applications

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



Offshore Sensing AS



Technical Specifications

Physical	
Length (LOA)	2 m
Beam	0.52 m
Height	1.13 m
Draft	0.57 m
Displacement	60 kg (including payload)
Payload weight	10 kg
Propulsion	Wind
Operation	
Operational duration	Several months
Speed	1-2 knots (maximum 3 knots)
Navigable wind speed	3-30 m/s
Navigable wave height	15+ m
Control	Cloud based web server for commands and data
Electrical	
Solar Power	30W
Autopilot Communication	Iridium SBD
Payload Communication	Iridium
Payload power	280 Wh (optional 560 Wh) rechargeable batteries