

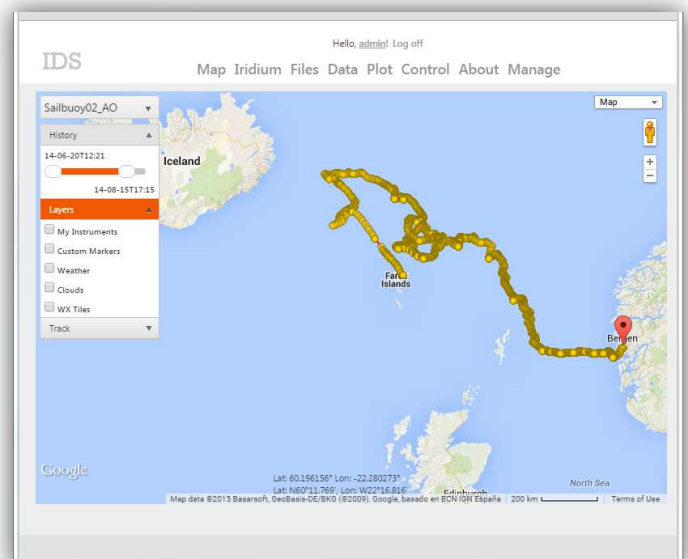


The SB Wave

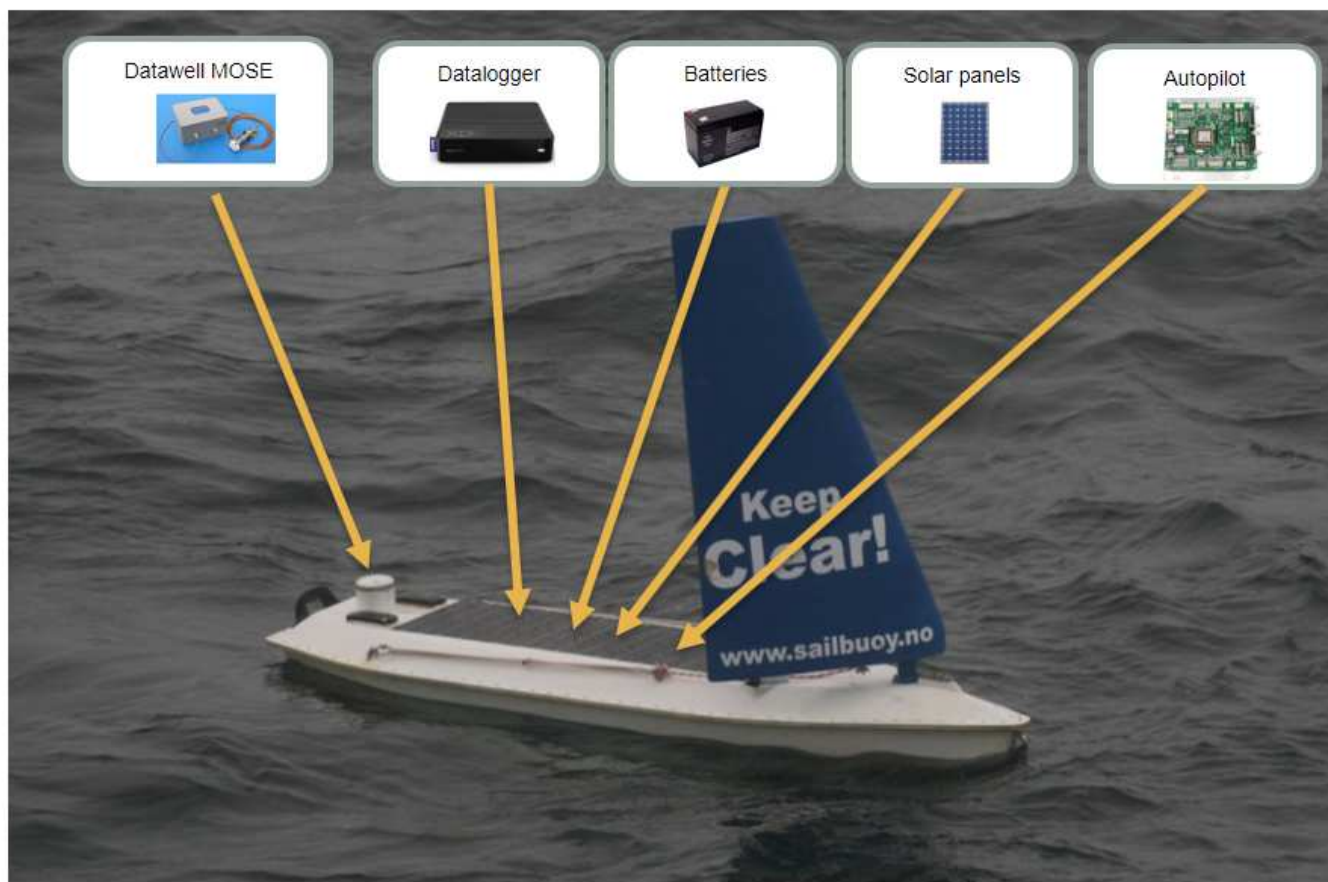
The SB Wave is an Unmanned Ocean Vessel designed to measure wave height and period for extended periods. It is designed to keep station or follow a track. Wave data is processed and transmitted to shore in real time via satellite. Raw data is stored onboard for post processing. During station keeping the Sailbuoy will have around the same radius as a moored buoy.

Key Features

- Low operational cost and maintenance
- Quick deployment
- Designed for severe conditions
- Autonomous operation, minimal user interaction
- Real-time data
- Low light conditions
- Lightweight – easily handled by two people
- User friendly (both deployment and control)
- Low visual signature



Offshore Sensing AS



Technical Specifications

Parameters	
Sensor	Datawell MOSE G1000
Resolution	1 cm
Significant Waveheight resolution	10 cm
Period resolution	0.1 s
Measurement period (typ)	20 min

Physical	
Length (LOA)	2 m
Beam	0.52 m
Height	1.13 m
Draft	0.57 m
Displacement	55 kg (including payload)
Payload weight	10 kg
Propulsion	Wind

Offshore sensing AS is dedicated to the production, design and sales of the Sailbuoy. Offshore Sensing AS is based in Bergen, Norway
Contact info@sailbuoy.no or visit Offshore Sensing AS, Fantoftvegen 38, 5072 Bergen, Norway

www.sailbuoy.no

Offshore Sensing AS



Operation

Operational duration	Several months
Speed	1-2 knots (maximum 3 knots)
Navigable wind speed	3-30 m/s
Navigable wave height	8+ m
Control	Cloud based web server for commands and data

Electrical

Solar power	30W
Autopilot Communication	Iridium SBD
Payload Communication	Iridium, GSM, VHF
Payload power	400 Wh rechargeable batteries

