

# 3.0m ALBATROSS METOCEAN BUOY



## OSIL's range of Data Buoys provide a robust, reliable sampling platform

OSIL's Albatross Data Buoy is a versatile instrumentation platform ideally suited for collection and measurement of oceanographic, meteorological (metocean) and water quality data parameters, and is completely adaptable to any applications' needs.

The system is supplied with a range of sensors that can be specified by the customer. All buoys are fitted with solar panels, navigation/warning lights and other markings as necessary. A range of telemetry options are available (UHF/VHF, GSM, GPRS, Satellite), selected to suit both the location and application requirements. OSIL provide a complete data telemetry solution, including either desk top or web-based software packages to access the data.

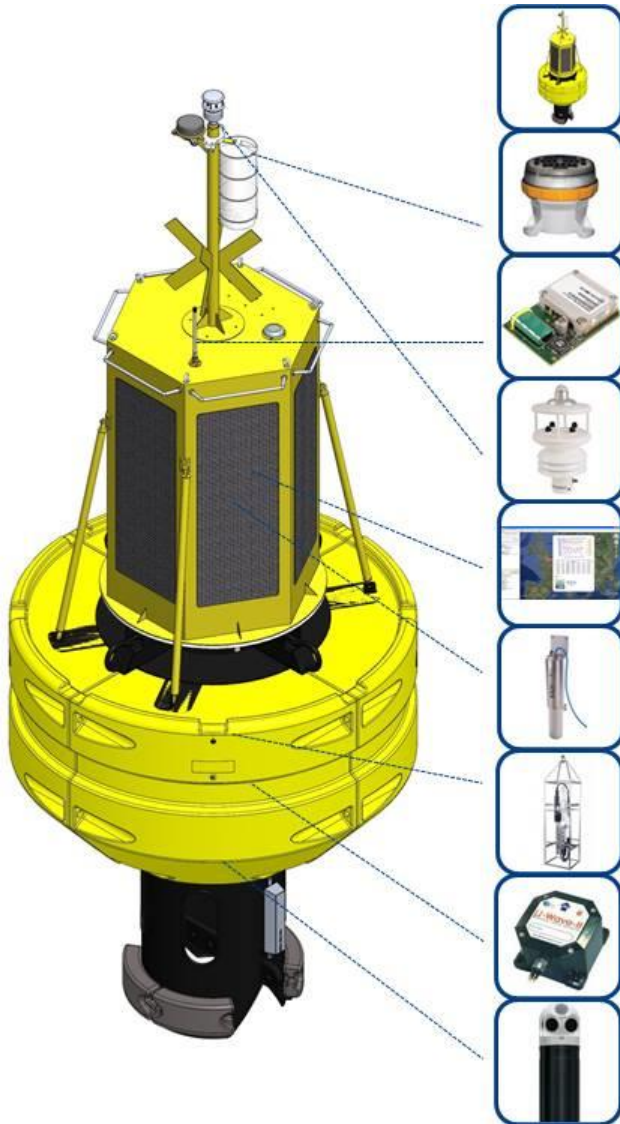
Instrumentation can be deployed anywhere from near surface to the seabed. The buoys can be moored in a fixed position with either single point, dual point or compliant mooring (where required).

### Applications

- Water Quality Monitoring
- Scientific Studies
- Offshore Engineering
- Maritime Traffic Control
- Renewable Energy Studies

All buoys are fitted with six 70W solar panels, battery back up, navigation/warning lights (IALA Standard Lamp) and other markings as necessary (St Andrews cross, Internal Radar Reflector etc.).

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**Hull Specifications**  
3.0m diameter, 4.3m focal plane, 2800kg weight, ~6000kg reserve buoyancy (after payload), ballast weight 800kg
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**Aids To Navigation**  
Radar reflector, IALA standard lanterns, AIS transponder, On-station GPS trackers with watch circle alarms
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**Telemetry Options**  
GPRS/GSM, AIS, VHF/UHF radio, Iridium
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**Meteorological Measurements**  
Wind speed/direction, atmospheric pressure, air temperature & humidity, solar radiation, precipitation
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**Real-Time Data Delivery**  
OSIL data solutions, hosted services, direct to server & email
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**Oil Spill Detector**  
Non-contact optical hydrocarbon sensor for surface spills, submersible hydrocarbon sensor
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**Water Quality Sensors**  
Dissolved Oxygen, pH, Temperature, Conductivity, Salinity, Turbidity, Chlorophyll & Blue-Green Algae
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**Wave Measurements**  
Wave direction, height & period, external or internal compass
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**Current Speed & Direction**  
High resolution current speed, direction & turbulence data

Other sensors are available on request

**FOR FURTHER INFORMATION PLEASE CONTACT:**

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