

2.6m SKUA METOCEAN BUOY



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

OSIL's Skua 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 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.

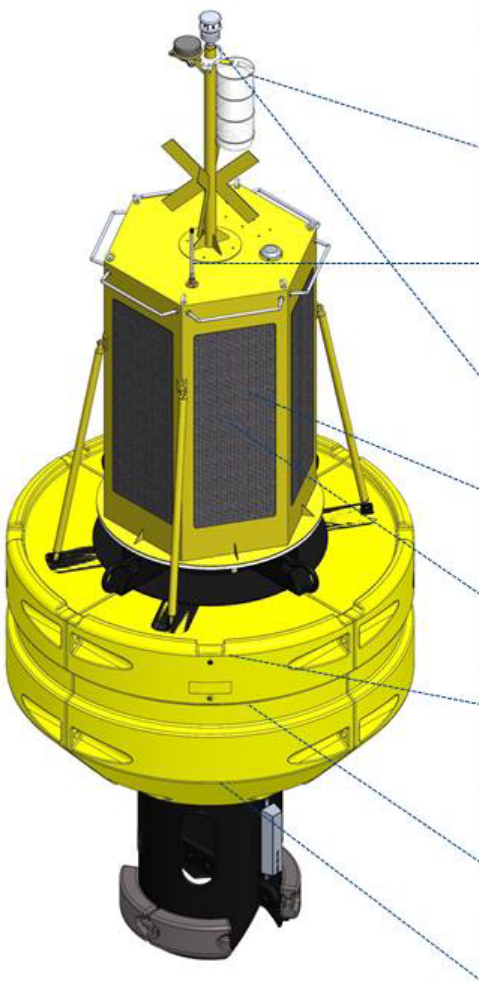
Instrumentation can be deployed anywhere from near surface to the seabed. The buoys can be moored in a fixed position with either single point, dual point or compliant mooring (where required).

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

2.6m diameter, 4.0m focal plane, 2400kg weight, ~3300kg reserve buoyancy (after payload), ballast weight 400kg



Aids To Navigation

Radar reflector, IALA standard lanterns, AIS transponder, On-station GPS trackers with watch circle alarms



Telemetry Options

GPRS/GSM, AIS, VHF/UHF radio, Iridium



Meteorological Measurements

Wind speed/direction, atmospheric pressure, air temperature & humidity, solar radiation, precipitation



Real-Time Data Delivery

OSIL data solutions, hosted services, direct to server & email



Oil Spill Detector

Non-contact optical hydrocarbon sensor for surface spills, submersible hydrocarbon sensor



Water Quality Sensors

Dissolved Oxygen, pH, Temperature, Conductivity, Salinity, Turbidity, Chlorophyll & Blue-Green Algae



Wave Measurements

Wave direction, height & period, external or internal compass



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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