

Environmental Monitoring Buoy



UK-based OSIL recently launched its new 1.2m Tern buoy. The platform is designed for extended deployment in harsh coastal environments in deeper water depths, and is suitable for all applications, including scientific studies, water quality monitoring, coastal engineering projects, harbour and coastal monitoring, and maritime traffic control.

The system is robust, with all instrumentation and cables held internally, protected by the rugged enclosed top section, which has been designed to minimise damage from the elements or interference. All sensors are secured within a central structure which offers good water flow for water quality sensors, while also providing a very high degree of

protection for valuable, sensitive, or delicate equipment. The platform also offers a higher visibility profile, easily seen in high-traffic areas.

The 1.2m platform has approximately 400kg net buoyancy, and is supplied with a range of sensors that can be specified by the customer, including CTD, DO, pH/ORP, Turbidity, Chlorophyll, Rhodamine, current speed/direction, and meteorological sensors including wind speed/direction, air temperature, humidity, pressure, solar radiation, as well as a GPS locator..

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

A range of telemetry options are available (UHF/VHF, GSM, GPRS, Satellite), selected to suit both the location and application requirements.

OSIL provides a complete data telemetry solution, including either desk top or web-based software packages to access the data.

<https://www.hydro-international.com/content/news/environmental-monitoring-buoy>
