

Monitoring, Sensing and Survey Solutions

Oxford Blue Systems offer instrumentation and equipment for environmental observation, hydrography, bathymetry and survey. Water quality and dredge monitoring, flood warning, oil spill tracking, currents, tides & waves and more.



- Altimeters
- Echo sounders
- Sensors
- Magnetometers
- CTDs (woce standard)
- Multi-parameter loggers
- High-range turbidity
- Anti-fouling wipers
- Waterproof computers
- UAV drones
- Current sensors
- Drifting tracker buoys



Whether you're looking for simple autonomous data recording or large-scale multi-parameter metocean measurements with real-time access to data and intelligent alerts, Oxford Blue Systems has the solution.

Monitoring and measuring

Instruments from **JFE Advantech** and **Sea & Sun Technology** provide a choice of features and specifications to meet any requirement for submersible data loggers.



Sensors are available for conductivity, depth, temperature, pH, Redox, fast response dissolved oxygen, high range turbidity, fluorometers for chlorophyll, oil-spill and multi-frequency, PAR, and current. Some have integrated anti-fouling wipers (even on conductivity). Other systems include wave recorders, suspended particle analysers, fast sampling micro-structure sensors, deep-sea telemetry and HD cameras



Echo-sounders and altimeters from **EofE Echologger** for scour and sedimentation monitoring, sea/river bed mapping, harbour security and tides. Data format is HYPACK™ compatible.



Ocean Trek Research build small drifter buoys with integrated communication for oil-spill, ghost net and debris tracking. The smallest unit can be carried & deployed by the ATI drone



Rugged Computing

Oxford Blue Systems is an approved supplier for **Handheld** waterproof computers, tablets, PDAs and smartphones for fieldwork in harsh environments. Featuring sunlight readable displays, GPS, GSM & WiFi options, RS-232 & USB ports and hot-swappable batteries. With water ingress rating up to IP67, applications include geo-field mapping, dive management and marine & arctic exploration.



Seabed & Aerial Surveying

Overhauser magnetometers from **Marine Magnetics** include the towable *SeaSpy*, *Explorer* and *SeaQuest* gradiometer or the fixed point *Sentinel* for base station monitoring.

The *Resolution* UAS unmanned aircraft from **Airborne Technologies Inc.** is a cost-effective surveillance platform for real-time imaging and data acquisition and comes complete with easy-to-use IMU-based autopilot and base-station. It is specifically designed for use at sea and has a flexible payload which may include high resolution video, thermal imaging and a deployable tracker buoy. Reconnaissance applications include marine mammal survey, pipeline patrol, and location & tracking of HAB, oil-spill and ghost-nets etc.

