

# International Ocean Systems



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## Seabed Mapping

# We've just sold

## Worldwide news of contracts and sales

### MiniBat for DERA

From **Ocean Scientific International Ltd**, (OSIL), UK, to the UK's **DERA** (Defence Evaluation Research Agency) goes a MiniBat towed body to help with research into new techniques for the rapid characterisation of ocean environments - the Rapid Environmental Assessment initiative.

Other recent OSIL sales include a rectangular midwater trawl multiple net system (under licence from **Southampton Oceanography Centre - SOC**) to the **Japanese Fisheries Research Centre** who are using it to look at krill which is the main food source for Southern Ocean whales (so we know where they're coming from, don't we?).

Then there are **SOC**-designed moorings for **ERT Caspian**, the **Kvaerner**-owned environmental consultancy based in Baku. The moorings are part of a project for **Agip Azerbaijan BV**, which is studying the environmental sensitivity of a wetland reserve area. The shallow water moorings have three Aanderaa RCM9 current meters with CTD.

Finally OSIL supplied u/w video to the Scottish Environment Protection Agency to monitor fallout of particulate material at fish farms. The 12/24V FPC 2000 camera is held in a frame lowered from a fixed platform or boat to depths of 100m. GPS-positioned images are viewed live and/or archived. *Circle 076.*

### NOBSKA for Canada

**NOBSKA**, USA, has delivered five MAVS-3 acoustic 3D current meters to the National Water Research Institute,



MiniBat will assess rapidly.

Canada Center for Inland Waters. Each unit has a 40-Mbyte compact flash logging memory, RS232 port, mooring frames and cabling.

MAVS-3 is **NOBSKA**'s latest model with long-term deployment capability due to low-power hibernate mode and up to a maximum of 96-Mbyte compact flash memory. Also available is the MAVS-3WTG meter which also has directional wave and tide gauge capabilities. *Circle 075.*

### Brisk demand for ROVs

#### Three for Seaeeye...

**The Stenmar Group**, UK, has placed a £750,000 order for three **Seaeeye** ROVs to join its rental pool. First will be a Seaeeye 600DT eyeball vehicle. The second and third will be open-frame electric-powered units, giving Stenmar a choice of Seaeeye Panther, Puma, Surveyor Plus and Tiger systems to choose from depending on local preference.

Seaeeye ROVs are manufactured by **Seaeeye Marine**, UK, which is a subsidiary company of **Hydrovision Ltd**, UK. *Circle 083.*

#### ...four for Global...

**Perry Tritech Inc**, USA, has delivered an additional four Triton ST200 systems to **Global Marine Systems**, UK. They are in addition to two units delivered in 1999 and will be stationed

globally on **GMSL**'s cable ships. *Circle 084.*

#### ...and three for Apache...

**Sub-Atlantic Ltd**, UK, has orders for three of its Apache ROV systems. The first is from **Tritech International Ltd**, UK, for a lightweight version of the vehicle which will be used to survey the underside of a 79m private yacht based in France. The second order is for a standard unit for **Sarb Marine**, UK, for North Sea work while the third will identify and recover archaeological artefacts to depths of 2500m off Cuba.

The standard Apache is a small observation ROV weighing 140kg with 30kg payload in the 1000m rated version. It may be fitted with industry-standard cameras, sonar, small grip stick-type manipulator, jet pump, etc. It can be supplied with its own tether management system. A 2500m version is also available. *Circle 082.*

#### Hisyn for Apache

**CRP Marine Ltd**, UK, has supplied its Hisyn syntactic foam to **Sub-Atlantic Ltd**, UK, for use on the Apache ROV (see above). Hisyn is a low-density composite with hollow glass microspheres dispersed within a polymer-based resin system. *Circle 077.*

#### Kraft for Dominion

**Dominion Diving Ltd**, Canada's largest diving and ROV operating company, has taken delivery of a **Kraft TeleRobotics** Raptor force feedback manipulator system. The 7-function system will be on



An Apache ROV will inspect a private yacht.



**Kraft manipulator will turn Terra Nova's knobs**

Dominion's new XL-38 workclass ROV now building at **Perry Tritech**, USA. The hybrid ROV system is designed for operating the subsea tooling on the Terra Nova project off Newfoundland. *Circle 085.*

**Chelsea for Norway**

**The Foundation for Scientific & Industrial Research (SINTEF)**, Norway, has bought a **Chelsea Instruments**, UK, UV Aquatracka fluorometer to use in a joint industry project to investigate underwater oil spills. SINTEF will make a controlled discharge at 1000m and then use an ROV, fitted with Aquatracka, to measure oil concentration and size distribution of droplets and gas bubbles. *Circle 081.*



**Chelsea's Aquatracka will look at droplets and bubbles**

**DGPS for Wales**

**Survey Supplies**, UK distributor for **Trimble** GPS marine products has sold a further two integrated GPS/DGPS to **UK Dredging**, Wales, UK. The two new units - a DSM212L and 212H - join an existing suite of five in operation around the UK. Steve Johns, Hydrographic Surveyor

for UK Dredging said: "These units have been used extensively on our dredging fleet and survey vessels to provide reliable positioning from Troon in the north to Southampton on the South Coast and from Warrenpoint in Northern Ireland to Rotterdam.

"The speed of re-acquisition of DGPS in GPS non-friendly environments has allowed us to work in areas historically very difficult for us. These include the docks at Goole and the inland waterways of the River Tyne where there is complex terrain which makes for multi-path problems," he added.

"The use of the General Lighthouse

Authorities DGPS service integrated with Trimble's GPS/MSK receiver and Everest Multi-Path Rejection firmware has provided reliable and accurate results". *Circle 078.*

**TSS for Veritas**

An HRP 10 motion sensor is supplied by **TSS**, UK, for *Veritas Viking II*, latest seismic survey vessel to join the **Veritas DGC** fleet. The sensor supplies heave, roll and pitch data for calibrating DGPS as well as driving a deck motion monitor display that will provide data needed under new Civil Aviation Authority recommendations for helicopter deck

**Over 100 sold**

Examples? - Scripps, Horn Point, NOAA, EPA, CEFAS, SOC, NIWA, DML and many, many more

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*Circle 012*