

# oceanbuzz!

The weekly ocean technology e'Newsletter everyone's talking about

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## **1.GENERAL OCEAN NEWS**

### **1.a) CANADIAN PRIME MINISTER ANNOUNCES EXPANSION OF CANADIAN FORCES FACILITIES AND OPERATIONS IN THE ARTIC**

Despite having planned the trip for some months, the Canadian Prime Minister, Stephen Harper's visit to the Arctic last week was perfect timing for his announcement regarding Canadian sovereignty in the Arctic. In a speech given in Resolute Bay, NU there was no confusion as to Canada's views on the recent Russians symbolic claim to the North Pole. 'Canada's New Government understands that the first principle of Arctic sovereignty is use it or lose it,' Prime Minister Harper said. 'Today's announcements tell the world that Canada has a real, growing, long-term presence in the Arctic.'

He then went on to announce a series of measures that will strengthen Canada's Arctic sovereignty. The first is the plan to expand the size and capabilities of the Canadian Rangers who play a key role in defending Canada's northern lands. The second is the establishment of a Canadian Forces Arctic Training Centre that will focus on the specialized training in cold weather military operations, search and research techniques and sovereignty. Finally, the announcement of Canada's first deep-water port in the far North will be established at Nanisivik. 'While the port's main purpose will be military – notably serving the new Arctic-offshore patrol ships announced earlier this summer – Nanisivik will have civilian applications as well.' Harper said. For more info visit the Office of the Prime Minister website

<http://www.pm.gc.ca/eng/media.asp?category=1&pageId=26&featureId=6>

### **1.b) UK PORT AUTHORITIES CONTINUE TO CHOOSE SEABAT**

RESON is recently announced two new SeaBat multibeam sonar contracts within the UK Ports & Harbour sector, following previous sales to Bristol, London, Tyne and Barrow.

PD Ports, Teesport has launched its new survey vessel the "Tees Navigator", complete with a RESON SeaBat 8125 shallow water multibeam sonar and RESON SVP sound velocity sensors. As part of the integrated solution, RESON also supplied PD Teesport with an Applanix POS MV 320.

PD Ports, Teesport is the second largest port in the UK (based on annual tonnage handled), and with the planned "Northern Gateway" deep sea container project is set to expand further with an ever increasing Hydrographic survey works programme. The investment in the new launch and multibeam sonar will play a vital role in supporting this, and strengthening the in-house capabilities of the busy Conservancy Department, enabling them to manage the river as a complete asset.

Peel Ports has purchased a complete RESON Hydrographic sonar and software system, including a SeaBat 8125 high resolution multibeam sonar system, a NaviSound 620 single beam echosounder, SVP sound velocity sensors and RESON's complete PDS2000 survey acquisition and processing & charting software. Peel Ports will also be using an Applanix POS MV 320.

The system will be installed on Peel Ports new twin hulled survey vessel and will be used for a wide variety of high resolution survey and inspection work across the groups north west operations, namely Liverpool, Manchester, Heysham and Clydeport. Installation and acceptance is scheduled for September 2007. For further information contact Dan Williams, +44 (0)1224 709900 or [dan@reson.co.uk](mailto:dan@reson.co.uk)

### **1.c) RV PRINCE MADOG RESEARCH VESSEL AVAILABLE FOR CHARTER**

Should you need a Research Vessel over the next few months then you may be interested in the RV Prince Madog. VT Emergency Services also have 4 smaller, 22 metre, vessels available. They are currently offering a special winter rate for the RV Prince Madog of £3463 per day. They also do not charge for days lost to bad weather, provided that the days can be rescheduled. The RV Prince Madog has successfully had a Shell audit and also completed a cruise that undertook vibro coring. If you are interested please contact Chris Braithwaite, VT Emergency Services, +44 (0) 1202 365313 or [chris.braithwaite@vtplc.com](mailto:chris.braithwaite@vtplc.com)

#### **1.d) US NAVY NAVAL SURFACE WARFARE CENTER PURCHASES FARSOUNDER SYSTEM**

The Naval Surface Warfare Center Carderock Division's Combatant Craft Division (NSWCCD CCD) has purchased a FarSounder FS-3DT sonar system. NSWCCD CCD supports Army, Navy, Marine Corps, Coast Guard and Special Operations Command high performance craft programs with identification, integration, testing and evaluation of advanced new technologies and COTS products such as the FS-3DT. NSWCCD CCD intends to install the FS-3DT on a test platform this fall in order to perform testing, evaluation and user assessment of the capability provided by the FS-3DT in support of future integration into military platforms operating in restricted littoral and riparian environments.

Used on commercial, government and private ships for obstacle avoidance and shallow water navigation, FarSounder FS-3 sonars are capable of generating a complete 3-dimensional image of the sea floor and in-water objects at navigationally significant ranges with a single ping. They offer visualisation of a clear, easy to understand 3D sonar image. This new sonar technology revolutionises marine navigation, especially in shallow areas. The standard user interface software includes automated alarms, BSB chart plotting capabilities, and GPS, compass, and depth sounder display capabilities. FarSounder's technology is also appropriate for security and defence applications. The company is currently working on a Phase II SBIR for the Department of Homeland Security. For further information contact Jo-Ann Aldsworth +1-401-784-6700 or [JoAnn.Aldsworth@farsounder.com](mailto:JoAnn.Aldsworth@farsounder.com)

#### **1.e) IMPORTANT BREAKTHROUGH FOR DEEPWATER TECHNOLOGY DEVELOPMENT**

ODIM has secured a contract from Aker Oilfield Services to deliver a 125- tonne ODIM CTCU™ system. This is as part of a joint industry project (JIP) supported by Norway's Demo 2000 research programme. This contract also opens the way for deliveries of ODIM CTCU™ systems to the Aker Oilfield Services new building programme which embraces five vessels in addition to the ship covered by the JIP. The contract primarily ensures full financing for ODIM's fabrication and on- field testing of a system with a twofall configuration, which allows players pursuing demanding deepwater projects to install structures weighing up to 250 tonnes. The system is due for delivery in April 2009.

Since the contract price for developing a 125- tonne lifting system will depend on the scope of necessary additional equipment, the overall cost has yet to be determined. ODIM has previously communicated a price of about NOK 60 million for a 125- tonne system based on the ODIM CTCU™. The JIP now being joined by Aker Oilfield Services is partly funded through Demo 2000. This programme has been established by the Research Council of Norway for project- oriented technology development in the petroleum industry. It has proved an important instrument for generating the kind of project involved here. The JIP is also joined by Shell and Statoil.

With fewer large discoveries and more petroleum exploration in deep water, a strong growth in deepwater installation is expected from 2008- 09. The ODIM CTCU™ technology makes it possible to use fibre rope instead of steel wire cables for installation work in deep water, which provides major benefits in terms of weight. That in turn permits the use of smaller and cheaper vessels. For further information contact Jogeir Romestrand, +47 913 30 387 or Øyvind Olsen, +47 911 85 817

#### **1.f) UKHO CONTRACTED BY THE UNITED ARAB EMIRATES**

The United Kingdom Hydrographic Office (UKHO) has been contracted by the Military Survey Department (MSD) of the United Arab Emirates (UAE) to advise on the planning and management of the Hydrographic Survey of their Territorial Waters.

The aim of this project is to improve the safety of navigation and environment through the provision of modern high quality hydrographic data. It is envisaged that large areas of the survey will be completed with airborne systems supported by surface units to meet accuracy requirements of IHO Order 1 and Special Order. Supporting tidal, oceanographic and environmental data will also be required. It is intended that the project will be awarded to and be managed by a single prime contractor.

The UKHO will provide a complete service to the UAE MSD in the provision of programme management and data appraisal services and manage the pre-qualification and contractor selection processes. The UAE MSD will make the final decision as to who will be awarded the contract and will place contract with the successful bidder. Companies who may be interested in submitting their proposals to undertake this challenging programme of work are invited to complete the Pre Qualifying Questionnaire which can be obtained at the following link:

<http://www.ukho.gov.uk/corp/OthercontractOpportunities.asp>

The closing date for submitting the PQQ will be at 12:00 on Friday 12<sup>th</sup> October 2007.

## **2. TRAINING, DEMONSTRATION & EVENTS**

### **2.a) IHO CLASS B COURSE, 3<sup>rd</sup> SEPTEMBER 2007**

Skilltrade & STC IHO Class B course (submitted for recognition) – start 3<sup>rd</sup> September. For more information visit [www.skilltrade.nl](http://www.skilltrade.nl)

### **2.b) INTERNATIONAL DIVING SUPERVISOR AGREEMENTS**

The vital importance for offshore contractors to ensure personnel working for them in safety-critical positions around the world are fully trained and competent to carry out their roles is fully recognised by the International Marine Contractors Association (IMCA). With this in mind, and to assist member companies, IMCA runs an internationally accepted offshore diving supervisor certification scheme and has, this year, entered into mutual recognition arrangements (MRA) with national bodies in Australia and Canada.

The mutual recognition arrangements with the Australian Diver Accreditation Scheme (ADAS) and the Diver Certification Board of Canada (DCBC) followed a review of their certification scheme requirements (and their own reciprocal review of the IMCA requirements). IMCA signed a similar memorandum of understanding over two years ago with the Netherlands Diving Centre (NDC). Further information on IMCA is available at [www.imca-int.com](http://www.imca-int.com); with information on the work and guidance published by its Diving Division at [www.imca-int.com/divisions/diving](http://www.imca-int.com/divisions/diving).

### **2.c) INTERNATIONAL MEETING ON COMPLEXITY SCIENCE 'NATURAL COMPLEXITY: DATA AND THEORY IN DIALOGUE' THIS WEEK**

Over 60 leading scientists from around the world will meet in Cambridge (UK) this week to discuss how 'complexity science' can provide a new perspective on, and understanding of, complicated natural phenomena. The 5-day meeting, organised by British Antarctic Survey (BAS), will focus on the relationship of complexity theory and associated mathematical modelling techniques to real-world observations and problems including climate change biological food webs, animal foraging, earthquakes, or iceberg calving. The meeting will begin with a 1-day symposium, introducing major, current earth-system challenges and their intersection points with complexity science. Subsequent days will start with a tutorial to cover some of the essential concepts and tools of complexity. For full details of speakers, programme and presentation abstracts visit [http://www.antarctica.ac.uk/about\\_bas/events/complexity2007/complexity\\_timetable.pdf](http://www.antarctica.ac.uk/about_bas/events/complexity2007/complexity_timetable.pdf)

## **3. JOB POSTINGS**

### **3.a) GRADUATE MARINE ELECTRONICS ENGINEER, UK, CLOSING DATE 31<sup>ST</sup> AUGUST 2007**

Emu Limited is looking for a graduate engineer to join their team in supporting their clients who are located world wide. As part of their hydrography team based at Hayling Island, Portsmouth and Durley, Southampton (transport between sites provided), the successful candidate will be responsible for assisting with offshore work across the UK and overseas. Main duties will include repairing and maintaining equipment, assisting with survey mobilisations, and spending some time on offshore survey boats. Training will be provided on specific equipment. Good IT skills and a driving licence are essential. The successful applicant can expect a good salary commensurate with experience. If you are interested in this opportunity, email your CV and covering letter to Emu's Human Resources Department - [info@handoverhr.co.uk](mailto:info@handoverhr.co.uk). For more information about Emu, visit [www.emulimited.com](http://www.emulimited.com)

### **3.b) ASSISTANT SCIENTIST, CLOSING DATE 24<sup>TH</sup> AUGUST 2007**

EMU also seeks an enthusiastic and motivated scientist to join the team based at the Hayling Island Marine Laboratory. Following training, the successful candidate will work in the microbiology and sediment testing laboratories. Within Microbiology, duties will include microbiological testing of environmental samples and maintenance of the laboratory UKAS accredited quality systems, including quality control, calibration, media preparation, equipment maintenance and house-keeping. The role will also include fieldwork opportunities, such as water sampling and water quality surveys. Sediment laboratory duties will include carrying out particle size analysis by dry sieving and laser diffraction. The role will require flexibility in working hours, participation in a weekend rota and candidates will be required to hold a full UK Driving Licence. A scientific background and previous experience of working in a microbiology laboratory environment would be advantageous, but is not essential, as full training will be provided. The role will require excellent organisational, record keeping and time management skills. A competitive salary and excellent benefits are offered, commensurate on experience, with opportunities to progress a career in microbiology/environmental consultancy. Please e-mail your CV to [info@handoverhr.co.uk](mailto:info@handoverhr.co.uk), or alternatively call us on 01329 836915.

### **3.c) ELECTRONICS TECHNICIAN, ABERDEEN, UK**

Due to continued expansion, OceanTools Ltd have an immediate vacancy for an Electronics Technicians at their premises in Bridge of Don. This is an ideal opportunity for a recent graduate looking to gain vital hands-on experience and training within a small, successful engineering company, or someone with experience within the oil and gas industry seeking a new challenge. A minimum qualification of an HNC or HND in electronic/ electrical engineering would be required. On-the-job training will be provided and there will be the occasional opportunity to travel offshore and overseas. A highly competitive salary plus regular bonus payments will be offered to the right candidate. If you think you have what it takes email your CV to [lynne@oceantools.eu](mailto:lynne@oceantools.eu) or by post to Lynne Hayton, Office Manager, Oceantools Ltd., Unit 11, The Technology Centre, Aberdeen Offshore Technology Park, Aberdeen, AB23 8GD • Tel. 01224 709606

### **3.d) FUGRO SEAFLOOR SURVEYS SEEKS USBL SURVEYOR, USA**

Fugro Seafloor Surveys Inc, needs an outgoing and savvy USBL Surveyor to provide innovative technical support for their surveys. The successful candidate will join a small group of innovative professionals dedicated to solving complex technical problems, and continue enjoying the camaraderie of exploration and discovery at sea. Based out of downtown Seattle, they conduct marine surveys mapping the deep ocean – often in depths beyond 6,000 meters. Sea pay in addition to salary, vacation and full benefits. For additional informatno see [www.seafloor.com](http://www.seafloor.com). Resumes to [HR@seafloor.com](mailto:HR@seafloor.com).

## **4. ....AND FINALLY**

### **4.a) CHRIS IMMASON, FORMER OI VETERAN BADLY INJURED**

Many industry stalwarts will remember Chris Immason, the former OI Veteran who ran the Admiralty Diving Exhibition at OI from 1982-1986 and who currently works for DSTL as their Communications Director. The Oceanbuzz team are sorry to report that Chris is in intensive care, suffering with severe injuries after a tree hit him in a horrific accident. If you know Chris and would like to make contact with his family, please email the Oceanbuzz team and we will put you in touch [info@intelligentexhibitions.com](mailto:info@intelligentexhibitions.com) The Oceanbuzz team's thoughts are with Chris and his family at this terrible time.