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1. GENERAL OCEAN NEWS

1.a) MoD COMPETITION OF IDEAS WINNER UNDERWATER RADIO FREQUENCY (RF) FENCE FOR HARBOUR PROTECTION

WFS Ltd has won a £280k (\$600k) contract through the MoD UK Competition of Ideas for the development of a Sensing Net. The project is based on leading edge technology developed in the UK by WFS. WFS has emerged as the world leader in a growing market for underwater and underground RF based communications, sensing and navigation following several years of investment in new technology. Advances in electronics design and signal processing make it possible to reconsider the basic science of electro-magnetics as an aid to underwater sensing. The programme focuses on remote sensing of underwater intrusion. An intruder crossing through the Sensing Net would be almost instantly detected and its characteristic size, movement and direction would trigger closer investigation to determine the exact nature of the threat.

The Competition of Ideas (Col) is an initiative developed by the MoD's Research Acquisition Organisation (RAO) as part of the UK MoD's commitment to developing the defence supplier network and providing leadership in investment for science, technology and engineering. The intention is to solve some key defence technology challenges by identifying and taking forward new and novel ideas that aid understanding of the opportunities and threats and to help develop new capability for the UK Armed Forces.

The first round of Col attracted 467 proposal submissions, resulting in 66 contracts. WFS Ltd is the world leader in underwater and underground RF technology and current holder of the UK MoD's top innovation award. The company has filed over 20 patent applications and won major contracts in the Defence, Offshore and Environmental industries. For further information contact Ron Marquis, ron.marquis@wirelessfibre.co.uk or go to www.wirelessfibre.co.uk

1.b) APPLIED MICROSYSTEMS LTD. WINS PUBLIC TENDER BID FOR TWELVE SV PLUS ^{v2}S

Applied Microsystems Ltd. (AML) is pleased to announce the sale of twelve SV Plus ^{v2} Profilers to the Maritime Safety Administration (MSA) of China. Earlier this year, the MSA released a public tender stating their sound velocity requirements. China Ores – AML's agent in China – placed a successful bid on Applied Microsystems behalf. This represents the second significant sale of Applied Microsystems sound velocity equipment to China's MSA.

MSA is a governmental organization responsible for the supervision of safety in Chinese waterways. Key activities include assurance of safe navigation in Chinese waterways, the prevention of pollution by ships, and the inspection of munitions on ships.

The SV Plus ^{v2} is a time-of-flight sound velocimeter that incorporates both temperature and pressure sensors. For more information on this sale or any Applied Microsystems instrument, visit AML's website at www.appliedmicrosystems.com or contact Mike Penny at mike@appliedmicrosystems.com

1.c) THE UNDERWATER CENTRE HOSTS GROUND BREAKING SUBMARINE TRIALS

Rolls-Royce has conducted the first open water trial of the groundbreaking new NATO Submarine Rescue System (NSRS) at the Underwater Centre in Fort William, The UK's leading commercial diving training centre.

The Underwater Centre was chosen as the ideal site for the trial due to its world class support facilities, as well as the unique location and topography of Loch Linnhe, one of Scotland's deepest lochs. The sea loch provided the trials team with realistic sea conditions as well as multiple depths to test NSRS.

Scheduled for service in 2008 and jointly developed and funded by the NATO countries of France, Norway and the UK, NSRS comprises of a remotely operated submersible or ROV that locates and establishes underwater communications with the distressed submarine. A larger manned Submarine Rescue Vehicle (SRV) then docks with the submarine and rescues the crew, and finally aboard the mothership, a decompression system is used to treat up to 72 rescuees simultaneously.

The development of the new Submarine Rescue System follows a number of high profile incidents involving stricken submarines, most notably the Kursk disaster in 2000 which resulted in the tragic death of 118 Russian Navy crew.

For further information about the Rolls Royce Trial please contact Martin Hunt/James Walter Tartan Silk PR, E: mh@tartansilk.co.uk. For more information about trials at the Underwater Centre please call 01397 703 786 or visit www.underwatercentre.co.uk

1.d) "LOST DIVER" COMPETITION – WINNING PROTOTYPE RECEIVES AWARD

Tritech International and Newcastle University has received a prestigious innovation award from the Institution of Engineering and Technology (IET) Europe's largest professional society for engineers and the UK governing body, British Sub Aqua Club (BSAC). The IET Innovation in Engineering Awards Ceremony was held in London on 13th November. Recognising and celebrating excellence in engineering innovation across a range of industry sectors and engineering disciplines.

The £5000 prize was presented to the winning team Tritech/NU who designed and manufactured DiveTrack, a transceiver device carried by divers, which communicates with a surface unit. This enables the diver to be located at all times and can also send emergency signals to the surface alerting boat crew to problems underwater.

The DiveTrack competition, was originally set up in memory of Penny Glover who died with her dive buddy Jacques Filippi in a tragic diving accident in 2005.

The Award winning DiveTrack Location System will be on display at The BSAC Diving Officers Conference in London, on Saturday 1st December 2007. For further information contact Lisa Mann, lisa-mann@tritech.co.uk or go to www.tritech.co.uk

1.e) NAVSEA AWARDS BLUEFIN SECOND PHASE FUNDING IN HULL INSPECTION CONTRACT

The Naval Sea Systems Command, Indian Head Division has awarded Bluefin Robotics Corporation funding for further development of Bluefin's unique Hovering Autonomous Underwater Vehicle (HAUV) as part of the Explosive Ordnance Disposal Hull Unmanned Vehicle Localization System (EOD HULS) contract. Having participated successfully in the Demonstration Phase of the contract, Bluefin was awarded approximately \$2.7 million to provide two HAUV prototype vehicles and associated equipment in the Prototype Phase. The contract specifically calls for Bluefin to, "produce, deliver, and support, a Prototype. Explosive Ordnance Disposal Hull Unmanned Underwater Vehicle Localization System to be used by US Naval forces in conducting ship hull and piers & pilings search operations." The HAUV will be evaluated on its capability to, "navigate precisely on a curved ship's hull, in order to optimally position the UUVs sensor suite for detection and classification of targets."

Originally developed in partnership with the Massachusetts Institute of Technology, the demonstration version of the Bluefin HAUV already offers autonomous operations for rapid and close-range hull inspection with little or no human intervention. Bluefin's approach was to incorporate its own proven software, navigation capability, and lithium ion polymer battery technology into a very maneuverable form factor with a highly capable imaging sonar that provides excellent probability of both detection and classification of contacts. The next phase will allow Bluefin to improve further upon this design.

For further information contact Deanna Abraham dabraham@bluefinrobotics.com or go to www.bluefinrobotics.com

1.f) ICELAND'S STAR-ODDI TEAM WITH PLANET OCEAN

Planet Ocean Ltd of Surrey UK announce that Icelandic marine research instrument manufacturer Star-Oddi, have selected them as their approved distributor in the UK and Ireland.

Planet Ocean's Terry Sloane, comments "Star-Oddi are well known for designing and producing the worlds smallest marine instruments and data loggers used primarily in fish biology, research and aquaculture. These innovative devices have a much wider use in general oceanography and even industrial applications"

Star-Oddi offers a wide range of environmental research equipment such as fish archival tags, miniature CTD loggers (salinity), submersible temperature and depth loggers, and other underwater data loggers. Known for their small size, accuracy and reliability, most people will be familiar with the range of data storage tags measuring and recording temperature, depth and salinity, but Star-Oddi also produces micro miniature loggers for GPS position, pitch and roll, and compass heading.

"The UK market has always been important for Star-Oddi, and we are glad to start working with Planet Ocean, to expand our business further in the UK." says Star-Oddi's Baldur Sigurgeirsson. For further information go to www.planet-ocean.co.uk

2. EVENTS, TRAINING AND DEMONSTRATION

2.a) SIDE SCAN SONAR TRAINING COURSE, ANNAPOLIS, MARYLAND, USA. FEBRUARY 26 - 28, 2008

Sonar expert, Vince Capone, M.Sc. is conducting an intensive 3-day side scan sonar training course in Annapolis MD. The course is jointly sponsored by International Industries and Black Laser Learning, and will cover the basics of side scan sonar, operation of the equipment, various differences of major systems, data acquisition and reduction, software adjuncts sophistacies analysis techniques and final report formats and inputs.

The course is non manufacturer specific with examples from many different types of sonars. In addition to general sonar record analysis, the course will also have several sections devoted to specific topics including; Shallow Water Operations, Search Patterns-Range/Overlap, Small Target Search OPS, Locating Sunken Automobiles, Crime Scene/Accident Mapping, Victim Search OPS, Aircraft Search OPS.

A review of the Chesapeake Technology Software for Side Scan Acquisition and Post Processing (SonarWiz Map) will be given by Mr. John Gann, Vice President, Chesapeake Technology. In addition to the above topics time will be allocated for customer specific discussions. We can tackle your specific use of sonar and how to get the best performance from your system as well as conduct the best operation for your application. A complete syllabus will be available in the near future. The course costs, \$315.00. For reservations, contact International Industries at 410-349-4080 or email us sales@internationalindustries.net.

3. JOB POSTINGS

3.a) X2 FIELD OCEANOGRAPHER/INSTRUMENTATION-MOORING SPECIALIST, WOODS HOLE GROUP, USA

The role is to support oceanographic data acquisition and analysis projects. The responsibilities include assisting with oceanographic observational programs; including measurement program & mooring design, preparation and mobilization of equipment, and collection of field observations. Perform field data

processing, interpretation and presentation tasks. Prepare written reports including discussions of technical methods, analyze results, and process descriptions. Assure proper archiving and documentation of program data. Assist with oceanographic instrumentation system design, specification, construction and documentation. Perform domestic and international field missions to install systems. Complete projects within budget and schedule restraints. The ability to supervise technicians and other staff in the completion of program tasks is required.

Performance evaluation will be based on Project Performance, Accuracy of analysis, Level of competence in data analysis and process interpretations, Completion of projects at or below budget, Quality of reports and proposals, Teamwork and ability to work effectively with colleagues, Client satisfaction with program and project results.

Qualifications include a BS Degree in oceanography, engineering, or physical sciences plus 1-2 years of demonstrated, experience in field oceanography related projects or proven equivalent experience. This position will require 30 day ship based rotations in Brazil. The ability to perform 30 days at sea field work for both domestic and international programs is required. Demonstrated prior experience for 30 days at sea programs is desired. Demonstrated experience with sub-surface and surface mooring installation and turn around is required. Experience in the control, application, and use of oceanographic instrument systems is required – specifically 75 kHz ADCP, Single Point Current Meters, CTD instrumentation, and acoustic releases. A high level of proficiency in personal computers including MS Word, Excel, and various instrument communications programs as well as specific instrument communication protocols is required. Excellent communication and interpersonal skills are required.

The position is a full time, salaried position working 30 days on/30 days off. Woods Hole Group has 2 full time positions open for this requirement. The Woods Hole Group offers a full time benefit package that includes a 401(K) program, health insurance benefits, and competitive vacation and sick time policy. This position is based out of Houston, TX office. Further information about the Woods Hole Group, Inc., can be found on our website www.woodsholegroup.com. To apply, please send resume outlining education, work experience and salary history to Robert Catalano, rcatalano@whgrp.com

3.b) A NUMBER OF VACANCIES AT UTEC INTERNATIONAL, UK

UTEC Survey Ltd., a member of UTEC International group of companies, is a UK based marine survey company focussed primarily on Geotechnical, Geophysical and Geohazard markets. As part of a continuing programme of growth, UTEC is seeking to recruit in the following positions:

1. Sales & Marketing Representatives (2 vacancies – London / Aberdeen). Personnel required to assist with sales and marketing of geophysical and geotechnical surveys. Successful applicants will be required to review and respond to requests for tender, produce final bid document and contracts, conduct on-going communication calls and after sales service to build stronger client relationships, gather market intelligence, conduct market research to determine ways to broaden client base.
2. Vessel Manager (1 vacancy - Lowestoft), Responsibilities include maintenance of company & marine safety standards, ensuring that the companies' fleet is operated in a safe & efficient manner, in accordance with all relevant regulatory and company policies. Compilation of annual vessel operational budgets, cost control, management and execution of vessel internal and 3rd party audits. Continuous control and review of the Safety Management System (ISM).
3. Assistant/Deputy Operations Manager, The vacancy is for someone to work with the current Operations Manager who will develop their skills and be in a position to fill the role of operations manager when the current incumbent retires. The role is to assist in ensuring all operational aspects of vessel operations and survey fieldwork are conducted in the most efficient manner, including scheduling of crew changes and organisation of field staff rotas, operation of company vessels ensuring all marine shipboard safety and environmental policies are carried out in accordance with international regulations and company procedures. They will deputise for the operations manager in his absence. Candidates will need to be able to work under pressure and be able to apply a flexible approach to both work type and hours.

4. Survey Party Chiefs (multiple vacancies – Offshore UK & W. Africa), Staff Party Chiefs required for geophysical, geohazard and geotechnical surveys. Experienced EICs or senior surveyors with minimum 5 years offshore 2D HR seismic survey experience. Minimum 2 years proven Party Chief experience.

UTECH Survey Ltd. is able to offer a highly competitive salary and comprehensive package of benefits for all of the above positions to successful candidates. Please apply for the attention of Lee Chalmers, HR Manager, recruitment@utechsurvey.com