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OCEAN BUSINESS 2011 EVENT NEWS

1.a) INSPIRE FUTURE GENERATIONS AT OCEAN CAREERS: 5-7 APRIL 2011, THE NATIONAL OCEANOGRAPHY CENTRE, SOUTHAMPTON, UK

Taking place alongside the Ocean Business exhibition and training forum, Ocean Careers is an event that provides information on opportunities within the marine science and ocean technology sector for students studying engineering, science or mathematics to show them how their skills can be utilised in this vast industry.

The Ocean Careers 2011 programme is now available to view on-line at <http://www.oceanbusiness.com/en/associatedmeetings/oceancareers/programme/default.aspx>.

It's not too late to participate in Ocean Careers and enthuse students with the wide range of job opportunities available within the industry. If you're looking to be an inspiration to the future generation or know of someone that could give a 10 minute presentation to a group of students please email sharla.hancock@intelligentexhibitions.com. Alternatively, sign up now for the one-on-one speedy sessions – no preparation required just be prepared on the day to answer any questions you may be asked from qualifications to lifestyle!

Please do help us to spread the word on Ocean Careers by forwarding this to any colleagues that may be willing to participate or anyone looking for a career in the marine science and ocean technology industry.

1.b) FRENCH PAVILION POOLS SEA-TECHNOLOGY TALENT AT OCEAN BUSINESS 2011

The Trade Commission of the French Embassy in London will showcase the best of French ocean technology at Ocean Business 2011. Ocean Business, which is held every two years at the National Oceanography Centre in Southampton (England), will take place from 5 - 7 April 2011.

Ocean Business 2011 is expected to attract 280 exhibitors from 19 countries, including Australia, Belgium, Canada, China, Denmark, France, Germany, Iceland, Italy, Ireland, The Netherlands, New Zealand, and Norway, as well as 4,000 visitors. Ocean Business is a hands-on exhibition incorporating presentations and on-water demonstrations and training sessions, with a wide range of networking opportunities for visitors and exhibitors.

A total of eight sea-technology companies from France will be exhibiting at the Ocean Business trade show as part of the French Pavilion (Stand H8), the companies include: IFREMER, IN VIVO, NKE Instrumentation, SBG Systems, Sea Tech Week, and SIG France which is being organised with the backing of the French Trade Commission in the UK and UBIFRANCE, the French export-support agency. Cadden and CLS will not be on Stand H8, but on Stands V22 and V23 respectively.

The French companies, from across the sector, will present their innovative products and advanced technological solutions in sea technology in order to reinforce their professional contacts with British partners and to provide new business opportunities for trade between France and the UK.

A catalogue with further details on each of the exhibitors is available upon request.

For more information please contact: Magali Pialat Email: magali.pialat@ubifrance.fr Tel: +44 (0) 207 024 3620 Website: www.ubifrance.com/uk.

GENERAL OCEAN NEWS

2.a) L-3 ELAC NAUTIK SEABEAM 3050 EXCEEDS ALL EXPECTATIONS

During the actual expedition of the German research vessel POSEIDON of IFM-GEOMAR, L-3 ELAC Nautik's SeaBeam System 3050, recently installed onboard, reached peak values regarding depth performance and coverage with a beam width of 1.5 by 2 degrees.

On the journey to the Black Sea, where the system was used for the detection of methane bubbles within the SUGAR project, the system reached a depth performance of more than 3.400 m and coverage of more than 5,000 m, thus exceeding the calculated values of 3.000 m (depth performance) and 3,500m (coverage) significantly. The technological top performance and reliability of the SeaBeam system was thus proven impressively once again.

For more information please contact; Ulrike Schulte-Rahde Email: ulrike.schulte-rahde@L-3com.com Tel: +49 (0)431 883 267 Website: www.elac-nautik.com

2.b) GARDLINE GEOSURVEY EXTENDS VERIPOS POSITIONING CONTRACT

Aberdeen-based Veripos, leading providers of precise Global Navigation Satellite System (GNSS) positioning solutions to the offshore oil and gas industry, has secured an extension to its contract with Gardline Geosurvey for the provision of precise satellite positioning services.

Under the general services agreement, Veripos will continue to supply its full range of positioning solutions to Gardline Geosurvey's fleet of eleven multi-role survey vessels. These operate throughout the world on behalf of major offshore exploration, renewables, construction and telecommunications companies as well as government agencies and harbour authorities.

The contract ensures Gardline Geosurvey will continue to benefit from the Veripos Ultra service that uses precise point positioning (PPP) methods to ensure continuous decimetre-level accuracy with the support of Verify QC software for real-time positioning and quality control information in addition to LD2-G2 integrated mobile units; a Verify-Tides functionality for real-time tide estimation is also provided.

For more information please contact; David Goodfellow Email: dvd.goodfellow@virgin.net Tel: +44 (0) 1224 526 000 Website: www.veripos.com

2.c) C-NAV CHOSEN FOR OSIRIS PROJECTS VESSEL

C-Nav, the premier supplier of international GNSS Precise Point Positioning services, will provide the GNSS positioning system for Osiris Projects' latest new-build survey vessel, the SV Bibby Tethra.

C-Nav has been chosen to provide the vessel's primary GNSS positioning system and to integrate it with a survey and navigation suite. The vessel will be fitted with a C-Nav 3050 RTK GNSS receiver and C-NaviGator II remote control and display unit.

The 3050 RTK has been carefully selected after a number of sea trials. The Bibby Tethra is three times larger than the company's existing flagship, the SV Chartwell, and will be one of the most advanced vessels of its kind operating in Europe. The latest vessel will establish a new benchmark for coastal marine survey work.

For more information please contact; Tim Patro E-mail: tim.patro@cctechol.com Tel: +1 337 210 0000 Website: <http://www.cnavgnss.com>

2.d) BLUEFIN APPOINTS INTERNATIONAL INDUSTRIES AS EAST COAST REPRESENTATIVE

Bluefin Robotics Corporation, a leader in the design and manufacturing of Autonomous Underwater Vehicles (AUVs), has announced a regional partnership with International Industries, Inc. (III), provider of marine, hydrographic and survey equipment and software. Headquartered in Annapolis, Maryland, III will promote and sell Bluefin products in New York, New Jersey, Pennsylvania, Delaware, Ohio, Indiana, Maryland, Tennessee, Kentucky, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Illinois, Michigan, Wisconsin and the District of Columbia. The agreement highlights the emergence and maturity of AUVs as a cost-effective and capable tool for use in a variety of subsea engineering projects.

"Bluefin will soon become the leading commercial UUV provider in the USA," said Morris A. (Chic) Ransone, President of III. "The Hovering AUV and the Bluefin-21 are prime examples of the products that will provide the tip of the lance in this effort. The Bluefin product line of pressure tolerant lithium polymer batteries is an area I anticipate to be in an expanding position throughout the underwater market place."

For more information please contact; Deanna Talbot E-mail: dtalbot@bluefinrobotics.com Tel: +1 617 715 7080 Website: www.bluefinrobotics.com

2.e) SEATRONICS' EX RENTAL MARINE EQUIPMENT FOR SALE

Seatronics currently has a variety of ex rental marine equipment available for sale including Standard Meridian Gyrocompasses' complete with 3 month warranty and calibration certificate. For a full list of ex rental equipment for sale at discounted prices please visit <http://www.seatronics-group.com/sales/ex-rental-sales-24/ex-rental-equipment-at-discounted-prices-78>. If what you are looking for is not listed, please contact Seatronics as they can normally locate your requirement from the worldwide stocks.

For further details please contact Mike Tranah Email; mike.tranah@seatronics-group.com Tel: +44 1493 441 335 Website: www.seatronics-group.com

2.f) TRIMBLE RECEIVERS FOR GLA COASTAL BEACON MONITORING

Zeework Ltd, the Trimble Marine dealer for UK and Ireland, has been awarded the contract to supply GNSS receivers to the General Lighthouse Authorities of the UK and Ireland (GLAs) for use in monitoring their network of Differential GPS stations.

The GLAs are responsible for the provision and maintenance of their Differential GPS reference stations which transmit correction signals, enabling mariners to enhance their positional accuracy and to have integrity in their position. The GLAs operate fourteen DGPS radio beacons and these are routinely monitored.

The Research and Radio navigation Directorate of the GLAs (R&RNAV) are in the process of developing a monitoring system, which is designed to replace a manual verification process and will provide real-time statistics of DGPS performance. This process includes developing software for the automatic monitoring of the remotely broadcast correction signals. The system will comprise a network of remotely located GNSS receivers, monitored from the R&RNAV central offices in Harwich.

The tender required receivers to be connected remotely throughout the GLAs' infrastructure of sites. This connectivity was addressed by the standard protocols of the web interface embedded within the Trimble equipment which can be used over Ethernet or ADSL. In addition to standard GNSS performance, the tender required each receiver to be capable of MSS (signal strength) output and the ability to lock on to and monitor individual beacon performance. This requirement was addressed by Trimble with a specific proprietary message which reports all L-band corrections and beacon signal strengths.

For more information please contact: Email: nfo@zeework.co.uk Tel:+44 (0) 1590 681 584 Website: www.zeework.co.uk

2.g) TECHWORKS MARINE ARE APPOINTED AS EXCLUSIVE REPRESENTATIVES FOR PRO OCEANUS

TechWorks Marine continues to expand its equipment distribution services, and have recently been appointed as exclusive representatives for Pro Oceanus products in the UK, Ireland and France. Alongside the development and sale of our own TechWorks Marine Black Box (TMBB) range of data acquisition and transmission systems; we now represent Pro Oceanus, Nortek, Seabird Electronics, Satlantic, Wetlabs and VideoRay ROV products.

Pro Oceanus Systems Inc. (PSI) is a leading edge technology company developing highly accurate gas sensors for measurements in both water and air. They have developed a wide range of high-quality sensors including the CO2 range for the measurements of partial pressure of CO2, and the Gas Tension range for accurate measurement of dissolved gases. Pro Oceanus has also recently released the new in-situ methane/alkane sensor, which has been designed to operate in oil contaminated waters. For more information please contact TechWorks Marine or view the Pro Oceanus website at www.pro-oceanus.com

TechWorks Marine offer clients a comprehensive service in the provision of technical advice, training and servicing for all of our in-house and represented product lines. We have also recently increased our in-house equipment pool and now offer many of these products for rental both in Ireland and overseas.

For further information please contact; Email: sales@techworks.ie Tel: +353 (0)1 236 5990 Website; www.techworks.ie

2.h) NEW MOORING COMMUNICATIONS SYSTEM PROVIDES FAST, LOW POWER WIRELESS COMMUNICATION

Traditionally, moorings have had to rely on the mobile telephone network or radio to transmit data to onshore bases.

Off the coast of the islands of Morea, a new innovation provided by MacArtney Underwater Technology Group transfers data via wireless modem. This new technology opens up areas otherwise unavailable by mobile networks and unsuitable for conventional radio transmission systems.

In the drive to understand the mechanics and effects of global warming on our planet, oceanographic institutes are installing buoys in various areas to map the water conditions and wildlife and to chart any changes over time that relate to an increase in global temperatures. The sites of such buoys vary greatly and one of the more recent installations has taken place in the coastal waters of the volcanic island of Morea, 15km North West of Tahiti in French Polynesia. Chosen for its well-established coral reef and its abundance of life, this location is expected to provide valuable information about changes in a range of underwater parameters, including water temperature, changes in current speed and water levels. Yet placing moorings and designing buoys requires expertise and cooperation between scientists, engineers and underwater experts.

Of the many considerations in designing and building a mooring system is the communications system. Information gathered from the range of instruments on the mooring needs to be transferred in some way onshore. Typically, data from buoys is relayed to onshore information centres via mobile telephone networks, by radio transfer or by cable.

When the Coastal Research Centre of the Marine Science Institute at the University of California, Santa Barbara (UCSB) commissioned their monitoring buoy system in the shallow coastal waters off the islands of Morea, they needed a communications system that would take into account the unsuitability of radio and satellite data transfer and avoid cable along the seafloor. Radio transfer demands high power levels, satellite transfer using mobile telephone networks is not available in all areas and running a cable along the sea bed could damage the coral reefs. The resulting system was a breakthrough in buoy communication technology, combining for the first time inductive moorings - including inductive measuring of current profiles - and high speed wireless Ethernet connection.

For more information please contact; Hans-Jørgen Hansen Email: hjh@macartney.com Tel: +45 7613 2000 Website www.macartney.com

2.i) OBITUARY - FRED CULKIN (1929 -2011)

Fred Culkin had a long and prestigious career in marine science, particularly in the field of seawater chemistry. He graduated from London University in 1952 and received his PhD in 1960 from the University of Liverpool for research on trace elements in seawater. His research interests included the physical properties and chemistry of seawater, organic chemistry of marine organisms and salinity standards. From 1975 until 1989 he was the Director of the IAPSO Standard Seawater Service and was a member of the Joint Panel of Oceanographic Tables and Standards (JPOTS) which introduced the Practical Salinity Scale 1978 (PSS78). On his retirement from the Institute of Oceanographic Sciences (formerly NIO) in 1989 joined OSIL as a consultant where he was actively involved in standard seawater developments. In 2007, in recognition of his contribution to OSIL and to the marine scientific community as a whole, the company's new building in Havant was named 'Culkin House'.

Fred Culkin passed away at his home in Godalming, Surrey, UK on 17 February 2011 after a short illness. He leaves a son and two daughters.

EVENT, TRAINING & DEMONSTRATION NEWS

3.a) VIENNA, AUSTRIA 29 JUNE - 1 JULY 2011; THE OCEANIC ENGINEERING SOCIETY (OES) CO-SPONSORS FISTS CONFERENCE

OES along with three other IEEE Societies is sponsoring the upcoming IEEE Forum on Integrated and Sustainable Transportation Systems (FISTS) in Vienna, Austria 29 June to 1 July 2011.

Transportation of goods and people plays a vital role in the lives of everyone and in virtually all businesses on earth. The cost of transportation, both personal and freight, accounts for a significant share in the global economy. Significant advances in technology as well as the incorporation of technology already available will be required to sustain the demands for transportation in the years ahead.

Through FISTS, the Aerospace and Electronics Systems Society (AESS), the Intelligent transportation Systems Society (ITSS), the Oceanic Engineering Society (OES), and the Vehicular Technology Society

(VTS) will bring together those interested in transportation to assess current technology and identify the new technologies required to meet the need for a sustainable transportation system.

For more information see the conference website at: <http://ieee-fists.org>

3.b) THE UK MARITIME INDUSTRIES: FROM TODAY'S FOCUS TO TOMORROW'S BUSINESS VINCE CABLE MP AND GERALD HOWARTH MP TO SPEAK AT ANNUAL CONFERENCE

The Society of Maritime Industries is pleased to announce that The Rt. Honourable Dr Vince Cable MP, Secretary of State for Business, Innovation and Skills will be opening the conference with a keynote address on 8th March 2011.

Lord Broers FEng FRS Kt DL., House of Lords Select Committee for Science and Technology will be the guest of honour at the Conference dinner.

Gerald Howarth MP, Parliamentary Under Secretary of State (International Security Strategy), will open the conference on the second day.

Free media tickets for limited parts of the conference are available at the link below:
<http://www.maritimeindustries.org/news/files/MediaReservationForm.pdf>

For more information please contact; Clementina Upton Email; events@maritimeindustries.org Tel: +44 (0)20 7628 2555 Website: www.maritimeindustries.org

JOB ADVERTS

4.a) FINAL CALL - OPERATIONS MANAGER AT PARTRAC LTD

Partrac (Glasgow, UK) advertised a vacancy for an Operations Manager in Oceanbuzz edition 184, 18 January 2011. For those who missed the original announcement, the closing date for applications is set as this Monday 28th February at 09:00.

For more information please contact; Sam Athey Email; sathey@partrac.com Tel: +44 (0) 141 552 3903 Website; www.partrac.com