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OCEANBUZZ ISSUE 199 – 17th May 2011

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1. GENERAL OCEAN NEWS

1.a) HYDROID REMUS AUV AIDS IN DISCOVERY OF MISSING GERMAN WWI U-BOAT

Hydroid, Inc., a subsidiary of Kongsberg Maritime, announced that its REMUS 100 AUV aided in the discovery of the World War I German submarine U-106, which had been missing since October 1917. The Royal Netherlands Navy (RNLN), which used the REMUS vehicle, located the missing submarine off the coast of Terschelling in the Netherlands.

“The REMUS 100’s compact size and proven reliability for deployment in shallow waters made it an ideal tool for this mission,” said Christopher von Alt, President and one of the co-founders of Hydroid. “It was designed for operation in coastal environments up to 100 meters in depth, and it has a proven track record for durability and dependability.”

In October 2009 the RNLN hydrographic survey vessel HNLMS Snellius located an unidentified object while charting shipping lanes. This was followed two months later by an inspection by a MCMV, the HNLMS Maassluis. A wire-guided Remotely Operated Vehicle (ROV) designed to locate mines, detected the shape of the vessel. The discovery prompted a series of research missions, which employed Hydroid’s REMUS 100 as well as divers from the Royal Netherlands Navy’s Diving and Explosive Ordnance Disposal Group (EOD).

The REMUS vehicle and the EOD divers descended 40 meters in order to explore the area, where a brass plate bearing the serial number of the submarine was eventually discovered. After further exploration as well as confirmations from the German Ministry of Defense and the families of crew members, the submarine was positively identified as the German U-106, which perished during the First World War.

For further information contact Sarah Hurley Shurley@greenoughcom.com Tel: +1 617 275 6527, www.hydroidinc.com

1.b) SUBSEA 7 COMPLETES DESIGN AND BUILD OF FIRST COMMERCIAL AUTONOMOUS INSPECTION VEHICLE (AIV)

Subsea 7, a leader in seabed-to-surface engineering, construction and services, announced that it has completed the design and build of the first commercial AIV, a technology which has the potential to revolutionise Life-of-Field projects.

Subsea 7 has an ambitious plan to develop a series of Autonomous Inspection Vehicles (AIV), initially capable of general visual inspection, through to fully capable work-class sized intervention vehicles. A combined project team comprising hardware developers and operational personnel from Subsea 7 and Seebyte, a Scottish based software developer for the autonomous robotics market, has been working together to deliver the first vehicle.

The design and build of the vehicle is complete and successful progress through inwater trialling and commissioning phase is underway. Following completion of extensive in-water testing and capability development, the first commercial AIV is expected to be available in late 2011.

Through the development process, many technical challenges have been overcome, the shape of the vehicle has changed from the original design concept due to the significant work done using the latest Computational Fluid Dynamics Modelling to optimise the vehicle’s shape with regard to stability and manoeuvrability, while conserving the onboard power resources.

The vehicle is fully autonomous and can operate for a 24-hour period on a single charge of its lithium-ion batteries, which are housed in pressure vessels within the hull. These batteries have been specifically designed for the vehicle and provide a more cost-effective solution to pressure tolerant batteries, with a lower capital cost and much improved cycle lives.

The sensor package has been developed to cover the requirements of general visual inspection; it comprises the latest sonar technology coupled with high quality video cameras and low power LED lighting.

A significant software integration and development project has been running in parallel with the hardware development and this too has used the most advanced techniques to manage, debug and control the development.

For more information contact Julie Gauld, Subsea 7 Communications Manager, on Tel: +44(0)1224 526270 or email: julie.gauld@subsea7.com.

1.c) CDL MINISENSE2 SALES SURGE FOLLOWING LAUNCH AT OCEAN BUSINESS 2011

CDL have announced that interest generated in the MiniSense2 system launched at this year's Ocean Business conference in Southampton has already translated into system sales.

For users looking for the most affordable INS based solution in the market today the MiniSense2 ticks all the right boxes. Minisense2 is a second generation MEMS (Micro Electrical Mechanical System) based motion sensor. Building on the success of the original MiniSense product, the MiniSense2 uses the latest low drift 6DoF (Degrees of Freedom) MEMS technology to deliver high accuracy heading, pitch, roll and heave measurements in the smallest of devices.

In addition, the MiniSense2 is capable of full INS (Inertial Navigation System) performance with aiding accepted from a variety of inputs such as USBL, LBL, DVL, GPS and depth – this functionality will be available as a firmware upgrade later in 2011. An in-built magnetic heading sensor provides < 1 deg heading accuracy while the 6 DoF sensor automatically aids the heading output in the presence of ferrous metals to provide exceptional heading performance and maintains accuracy in areas where many fluxgate compasses struggle.

With a subsea form factor measuring just 191 x 45mm the benefits of this versatile system have already been recognised by clients including DPS (UK), IKMSubsea (Norway), Fugro (Norway), Unique Hydra (S Africa), Diverse Yachts (UK), MacCartney (Norway), BPP Tech (UK) and Alphatron (Netherlands) for applications ranging from HPR measurements to ROV navigation.

With an OEM form factor and integrated 0.01% accuracy depth sensor options available also, the MiniSense2 is as versatile and flexible as any motion sensor currently on the market - with performance to match.

For more information, please contact: Kevin McBarron, Managing Director kevin.mcbarron@cdltd.net
Tel: +44 (0)1224 706655

1.d) WFS SIGNS AGREEMENT TO MAKE EV'S NEW SUBSEA CAMERA "GO WIRELESS"

WFS Technologies announces an agreement with EV Offshore, to provide wireless capability for EV's new subsea video camera; the Neptus WSC.

WFS Technologies founded in 2003, is a leading supplier of Radio and Acoustic Solutions for communication, navigation and power transfer underwater and underground. WFS' flagship product, Seatooth®, uses radio frequency (RF) technology to enable high speed data & power transfer, wirelessly over a short range. Seatooth supports streaming video over a wireless connection, and this technology has been integrated with the new ground breaking Neptus Wireless Subsea Camera from EV. The novel concept is a breakthrough in subsea camera applications from EV Camera, wirelessly enabled by with WFS radio technology.
http://www.evcam.com/products_and_services/neptus_wireless_subsea_camera.asp

EV has rapidly emerged as a market leader in the international oil and gas industry by carving out a niche for itself as specialists in oil and gas remote down hole and wellbore camera and video technology. The company's state-of-the-art technology allows pictures to be taken in remote and challenging environments such as down oil and gas wells and on the seabed.

The Neptus WSC is autonomous and self powered and because it uses RF to stream live video (up to 5m), does not require a tether. A subsea wireless camera will enable multi-perspective views of complex operations, improving speed and reliability of ROV operations across a wide range of industries. The unit can be static on the seabed or retrofitted to equipment (non permanent) to extend capability and can be rapidly deployed as required.

The camera is to be launched commercially in June 2011 and will be followed by the launch of an advanced model in January 2012 featuring an increased pressure rating, longer subsea life, pan & tilt zoom capability, and a wireless range of up to 10 meters.

For more information about WFS Technologies and its products, visit the company's website at: www.wfs-tech.com

1.e) L-3 KLEIN DELIVERS HARBORGUARD® SYSTEMS FOR SECURITY UPGRADE PROGRAM

L-3 Klein Associates, Inc. (L-3 Klein) have announced the first deliveries of its HarborGuard® Integrated Waterside Security and Surveillance System for a major U.S. security upgrade program. With its ability to provide immediate alerts and updated threat positions, L-3's HarborGuard System is a key component of new security measures throughout the U.S. that provide continuous coverage and monitoring of all surface activity around dams, with special attention on security zones to protect critical infrastructure.

HarborGuard solves the unique challenges of providing security to dams that have dramatic changes in water levels. Unlike traditional radar systems that need constant mechanical and electrical adjustments to compensate for any water level changes, HarborGuard features specialized products and software that allows it to easily accommodate changing water levels.

For more information please contact Deborah Durgin, Marketing & Sales, L-3 Klein Associates, Inc., Tel: +1 603 893 6131, www.L-3Klein.com

1.f) TRINIDAD'S OTSL ORDERS TOP SELLING SAAB SEA EYE ROV

Trinidad-based Offshore Technology Solutions Limited (OTSL) has ordered the new top selling Saab Seaeye Panther XT Plus electric work ROV.

With ten powerful thrusters, 50% more power and swimming 30% faster than any other electric work ROV of its class, OTSL say the Panther XT Plus will greatly extend its operational role in the offshore oil and gas industry.

With the company specialising in marine construction, maintenance and subsea services from the Gulf of Mexico, through the Caribbean and down into Latin America, the ability of the new Panther to hold steady in strong shallow-water currents, makes it ideal for a wide range of work and survey tasks as well as deep water operations over 1000 metres.

Antonio Donawa says that the Panther XT Plus will give them an ROV resource with the work class capability of a small hydraulic work ROV – yet at a much lower cost of ownership, including needing a quarter of the deck space and far fewer crew than an hydraulic vehicle.

The configuration chosen by OTSL includes a Seaeye wide-angle B&W low light camera and a Kongsberg colour zoom camera together with pan and tilt system; a Tritech Super SeaKing sonar; a five and six function heavy duty manipulator with grabber; a water jetting system and a Cygnus ultrasonic thickness gauge with CP contact probe, BlueView imaging sonar and state-of-the-art Visual Soft DVR and inspection software.

For pipe survey work the ROV has two, three-function hydraulic camera booms, a wheeled skid and manipulator system, plus two Seaeye cameras.

For more information contact: Antonio Donawa or Robert Stauble, Offshore Technology Solutions Limited +1 868 634 2213 antonio@otsl.biz robert@otsl.biz www.otsl.biz or Dave Grant, Saab Seaeye Ltd. +44 (0)1489 898000 dgrant@seaeye.com www.seaeye.com

1.g) MANAGED SERVICES CONTRACTS FOR THE UK MOD

SEA has announced it has recently been awarded two Managed Services contracts by the UK Ministry of Defence, DE&S.

The first of the contracts is for taking over the role of managing the Naval Combat Systems Interface Co-ordination (NCSIC) service. Upgrading and updating platform and combat management system in the Royal Navy surface and sub-surface Fleet is a complex activity requiring careful configuration management. The NCSIC service, which has been in existence since 1994, aims to provide this configuration management. In winning this contract, SEA will build upon its strong credentials in combat system change management and bring fresh ideas to help develop new and novel ways to streamline, update and unify the change management processes across the Fleet. Working with Systems Engineering and Integration Group (SEIG) and the relevant stakeholders, SEA will provide and maintain an accurate,

comprehensive and easy-to-use database. This database will ultimately be made available 'on-line' to the relevant stakeholders and accredited contractors. Over the duration of the contract it is anticipated that NCSIC will be extended to encompass additional platforms thus ensuring the need for providing a fast, efficient and reliable service.

Further recognition of SEA's managed service capability was the award of a 2-year contract to support the Ships Compass Transmission System Support (SCTS). The equipment transmits heading, pitch and roll data to the sensors and steering equipments and is fitted in the majority of Royal Navy platforms. SEA will be supported in delivery of this contract by Ferranti Technologies Ltd (FTL). The contract, worth around £400k per annum, provides MoD with options for up to 4 years of a total support solution encompassing: equipment repairs, spares provisions, obsolescence management, investigating and overcoming critical design issues, safety management, providing engineering technical advice, onboard RN vessel support and management of drawings and documentation.

For further information contact: Pauline Henson (Senior Marketing Officer) Tel: +44 (0)1373 852 115 or Dr David Tanner, Business Development Director, Tel: +44 (0)1373 852118 www.sea.co.uk

1.h) ASHTEAD TECHNOLOGY OFFSHORE LAUNCHES TRITECH GEMINI SYSTEMS

Ashtead Technology Offshore has announced the addition of both the Trittech Gemini 720i and 720id Real-time Multibeam Imaging Sonars to the sophisticated rental fleet of sonar equipment in the Gulf of Mexico.

Ashtead Technology brings the new Trittech Gemini systems to the rental market in the Gulf of Mexico, Canada as well as South and Central America. Both the shallow water Trittech Gemini 720i and deep water 720id real-time imaging sonars are in the region for immediate hire.

Considered one of the more advanced real-time imaging sonars in the industry, the 720i, shallow water unit has been on a long term hire in the Gulf of Mexico for inspection activities with SURF Subsea onboard the SURF Challenger with other SURF contractors looking at the technology for their 2011 inspection campaigns.

For further information, please contact: Angela Sakapaji, Ashtead Technology, Tel: +44 (0) 1224 771888 Mob: +44 (0) 7799 621026, E: angela.sakapaji@ashtead-technology.com www.ashtead-technology.com

1.i) OIL SPILL RESPONSE LTD PLACE CONTRACT FOR TURNER DESIGNS C3 FLUOROMETERS

RS Aqua Ltd, as UK representatives for Turner Designs Inc (USA), have announced the receipt of a contract from the global organisation Oil Spill Response Ltd for 6 sets of Turner's C3 three channel fluorometers with C-ray winged deployment bodies. The full order will be completed by the end of May 2011.

Each host C3 unit is fitted with optical sensors for Turbidity, Crude Oil and Refined Fuels along with Temperature and Pressure transducers. A real-time data link will be provided via 25m cable modules which can be coupled together to assemble any required overall length. The C-ray winged body, with variable pitch control, enables the unit to "fly" at required depths below the surface.

Oil Spill Response plan to use the devices to monitor the efficiency of surface dispersant application.

Oil Spill Response as an industry-owned emergency response organisation attended nearly every major global oil spill during the last 25 years. Operating from bases in the United Kingdom, Singapore and Bahrain, the Company also provides training, consultancy and technical advice, the full benefits of which are available via membership. Its specialised workforce includes scientific support staff who assist in dispersant monitoring operations, logistics staff expertly trained in the movement of materials, spray masters expert in the management and operation of aerial dispersant and scientists with environmental skills for assessing clean up techniques and spill impacts. The Company enjoys significant rapport with leading environmental/marine organisations and has a major presence at international conferences in the spill response arena.

Turner Designs Inc, based in California USA, claim to offer the world's most complete line of fluorometers for environmental applications. In the last 2 years they have added several novel items to their extensive product range and, recently, at the Ocean Business show in Southampton, launched an exciting new enhancement "C-FINS". This tool enables users to integrate the C3 fluorometer digital output with GPS for

data mapping. A simple software module enables C-FINS and ArcGIS® to work together to allow for real-time mapping of fluorescence, temperature, depth, and turbidity.

For further information regarding any of the above please visit www.rsaqua.co.uk or contact product expert David Goldsmith at d.goldsmith@rsaqua.co.uk

1.j) EMU BUSY SERVICING THE MARINE CABLE INDUSTRY

Emu Limited is currently undertaking a series of marine ecological surveys for the undersea cable route industry in relation to windfarms and electrical supply developments in The Solent, the northern North Sea and the southern North Sea.

Based at Trafalgar Wharf near Portsmouth, Emu Limited's marine ecologists have been able to draw on their local and regional knowledge, together with many years' experience to make them ideally placed to deliver the surveys and to advise on any issues raised by their analysis.

For this work Emu uses vessel sampling techniques comprising grab, trawl, video and still photographs, to collect and identify seabed habitat information along the proposed cable corridor. In addition, appropriate phase 1 / modified phase 1 coastal community, biotope and habitat mapping studies are undertaken at proposed cable landfall sites. The field samples are processed at Emu's Marine Laboratories giving the necessary species data for cable planning and the consenting processes. In line with the precautionary principle, survey outcomes are intended to facilitate a pragmatic approach to habitat and species management throughout any agreed cable infrastructure design and engineering phases.

Emu's Ecology Group have developed their intertidal survey methodology in conjunction with the company's benthic surveys to meet the increasing need for this approach to undersea cable routing and related landfall sites. These methods are complimented by the Ecology teams' research-backed knowledge in the field of related surveys for coastal developments, whilst focusing on the specific needs of cabling projects at this period of growing demand.

For further information contact: Peter Powell - Press and PR, Business Development Group. Emu Limited
Mobile: +44 (0)7778020348 Telephone: +44 (0)1489 860050. Email: peter.powell@emulimited.com

1.k) CARIS WINS WATERWAY PROJECT WITH RIJKSWATERSTAAT

CARIS has announced that it has been awarded the National Survey Storage System project from Rijkswaterstaat.

Rijkswaterstaat, the executive body of the Ministry of Infrastructure and Environment in the Netherlands: ensures safe and smooth flow of traffic on roads and waterways; protects against flooding; provides sufficient, clean water; and supplies reliable and useful information to stakeholders. Because the Netherlands has one of the most advanced and busy waterway networks in the world, the best possible management is essential to maintain this important economic driver. The management of the waterways is not only important to the Netherlands' economy, but also neighbouring Germany and Belgium.

CARIS software will be utilized in the processing, storage and delivery of the huge volumes of data generated to keep the waterways running smoothly. The data is used to support good dredging practices, to assess the state of maintenance of the waterways, and for flood management and scientific research.

Rijkswaterstaat will be utilizing components of CARIS' Ping-to-Chart™ solution for their National Survey Storage System. CARIS BASE Manager will be used to analyze the data, with the data then being stored on Bathy DataBase servers connected to Oracle® Spatial databases. The CARIS Spatial Fusion Enterprise Server publishes this data, which can then be accessed by a Spatial Fusion Enterprise Viewer, as well as any other Open Geospatial Consortium compliant map client.

The National Survey Storage System is expected to have more than 100 Rijkswaterstaat users deployed at 10 regional departments throughout the Netherlands. In addition to the software, CARIS will provide training, at least seven years of technical support and, together with MX Systems, the expertise for data migration to the new system

For more information or to arrange an interview call Alex Palmer, Marketing Supervisor +1 (506) 458-8533, alex.palmer@caris.com www.caris.com

1.I) TECHWORKS MARINE ARE APPOINTED AS REPRESENTATIVES FOR RJE INTERNATIONAL

TechWorks Marine continues to expand its equipment distribution services, and have recently been appointed as exclusive representatives for RJE International products in the UK and Ireland. RJE International are a supplier of subsea acoustic relocation products, diver sonars, navigation platforms and communication systems. Alongside the sale of our own TechWorks Marine Black Box (TMBB) range of data acquisition and transmission systems; we now represent Nortek, Seabird Electronics, Satlantic, Wetlabs, Pro Oceanus and VideoRay ROV products.

For further information please contact Techworks Marine at Email: sales@techworks.ie Tel: +353 (0)1 236 5990, or visit www.techworks.ie.

2. EVENT, TRAINING & DEMONSTRATION NEWS

2.a) METOCEAN AWARENESS COURSES UK – REGISTRATION OPEN

The Society for Underwater Technology has announced the dates for the next UK Metocean Awareness Courses organised by the Institute of Marine Engineering, Science and Technology which are due to take place from 31 May – 2 June, Aberdeen and 6 – 8 September, London.

The course is aimed at those who require a greater understanding of metocean conditions worldwide and how they might impact the effectiveness of their work. For all offshore industries, the effects of meteorology and oceanography (metocean) have a major impact on design and operations. The events of 2005 in the GOM particularly emphasised this, and brought into sharp focus the impact the weather can have on oil industry activities offshore, not only in the Gulf but also wherever the industry operates.

Delegates will learn just why metocean is important to the offshore industry; and, with their newly accrued understanding, engage better with internal and external stakeholders on metocean matters. This transfer of knowledge is also essential as the crew change in staff across the industry continues to gather momentum despite the recent economic downturn.

Places are limited to allow more effective learning for delegates, so we would urge you to register as soon as possible. Delegates can register now for either course dates (Aberdeen or London) with IMarEST & SUT Members saving up to £600 off fees. Quote ref: MC511-E3

Register via IMarEST HQ, London - all major credit cards are accepted – Tel: +44 (0)20 7382 2600 email: laura.jarman@imarest.org www.imarest.org

ABERDEEN, UK: Tuesday 31 May – Thursday 2 June 2011

LONDON, UK: Tuesday 6 – Thursday 8 September 2011

HOUSTON, USA: Tuesday 18 – Thursday 20 October 2011

To receive a programme and details – email: events@imarest.org

2.b) AUTONOMOUS VEHICLES - PUSHING THE BOUNDARIES: WEDNESDAY 25 MAY 2011

The next SUT evening meeting to be held in Newcastle will be on Wednesday 25 May 2011 on the subject of “Autonomous Vehicles - Pushing the Boundaries”.

The Chairman of the meeting is Alan Dobson, Technology Development Manager, DUCO Ltd. There will be presentations from Prof Gwyn Griffiths, Head of the Underwater Systems Laboratory, National Oceanography Centre, Southampton - From Under an Antarctic Ice Sheet to Hydrothermal Vents in the Caribbean: Discovery Using Autosubs. Engineers at the National Oceanography Centre at Southampton design, build and operate the Autosub family of autonomous underwater vehicles (AUVs) for marine science applications. The design and configuration of the vehicles vary to tackle the science questions being asked, and the operating environments. How engineers have met the challenges will be described, drawing on two recent campaigns in contrasting environments: one to the Amundsen Sea, Antarctica, where Autosub3 completed six missions beneath the floating Pine Island Bay Glacier and the other an Autosub6000 campaign to discover hydrothermal vents thought to exist in waters over 5000m deep off the Cayman Islands. Looking forward, the new Autosub Long Range vehicle has completed its first engineering trials, and is being prepared for a series of science campaigns beginning in 2012. AUVs, and their cousins undersea gliders, are now so accepted as first line tools for marine science that the UK is to set up a national facility dedicated to their use.

Nature in Engineering for Monitoring the Oceans (NEMO) - Dr Alan Murphy, Lecturer in Marine Engineering Maryam Haroutunian, PhD Student, School of Marine Science and Technology, Newcastle University
Through natural evolution, thousands of marine species have arrived at “successful” solutions for surviving and operating in the ocean. In many examples, the biological solutions, by a diverse range of means, exhibit superior performance characteristics, e.g. locomotion, agility and the resilience to operate at depth, compared to the engineered alternatives used on underwater vehicles. This talk will highlight a research project (NEMO) that is taking desirable “engineering solutions” from nature and applying these to Autonomous Underwater Vehicles. Specific examples of the research work will be highlighted, including a general comparison between biological and AUV capabilities, alternative propulsion methods and energy usage.

For further information or to register for this event please contact Michele Ross michele.ross@sut.org
+ 44 (0)1224 823637

2.c) EDGETECH ON-WATER DEMONSTRATIONS – JULY 18 – 22, FLORIDA, USA

EdgeTech, a leader in sonar imaging systems, will be conducting on-water demonstrations of the new Littoral Mine Countermeasure Sonar (LMCS) in Boca Raton, Florida July 18 – 22. This event is focused on the military community and will highlight the latest EdgeTech LMCS solution. The system includes a unique suite of integrated vehicle, sonar and software technology which provides high speed, high resolution and long range underwater imaging.

Confirming reservations are required, please contact Rick Babicz at babicz@edgetech.com or +1 508-356-9741

3. WHO'S ON THE MOVE?

3.a) SUBSEA UK APPOINTS NEW CHIEF EXECUTIVE

The industry body which represents the UK's subsea sector has appointed a new chief executive. Neil Gordon will take over the reins at Subsea UK at the beginning of July 2011.

Currently general manager of the National Hyperbaric Centre in Aberdeen, Mr Gordon has over 20 years' management and business development experience, combined with over 10 years' subsea experience.

During his time at the National Hyperbaric Centre he has successfully project-managed saturation diving operations and hyperbaric weld trials. Having helped develop the diving safety and subsea training and consultancy part of the business, he regularly lectures to subsea engineers and delivers training courses.

He has experience of working in India, Middle-east, Africa and Brazil and has worked with the Oil and Gas Producers diving operations sub-committee on client representative training and competency for subsea projects. He is also a member of the IMCA diving safety medical technical and training committee.

Following a business studies course at the former Aberdeen College of Commerce, Mr Gordon trained as a commercial diver and spent eight years carrying out numerous diving assignments in the UK and Norwegian waters involving new construction projects, pipeline surveys, welding and inspection with Oceaneering and other companies.

Originally from Braemar, Mr Gordon has also held director and manager level business development roles in the IT, communications and hospitality sectors.

4. JOB ADVERTS

4.a) PARTRAC CONSULTING SEEK MARINE CONSULTANT

Partrac Consulting Ltd (www.partrac-consulting.com) is the consulting division of marine data experts Partrac Ltd. They provide professional services to clients in a broad range of markets, including marine renewables, utilities, the dredging industry, ports and harbours and coastal management. Due to growth in work following expansion of the range of services that they offer, they are looking for a motivated and capable Marine Consultant. They seek a post-doctoral level candidate with 2-3 years' experience in the commercial sector.

As a valuable member of a small team you will be principally involved in providing technical support to projects. This will involve collating, summarisation and interpretation of marine data sets (geospatial, time series), technical analysis and synthesis, and production of reports. In addition you will work with other team members to maintain a regional market overview in sectors of interest, and you will be involved in the identifying potential projects and assist in the development of proposals.

For full details, see <http://www.partrac-consulting.com/news-reader/items/14.html>

4.b) EMU LTD: FULL-TIME POSITION FOR A PARTY CHIEF / PROJECT MANAGER

Job Title: Party Chief / Project Manager Location: Durley, Southampton Department: Geosurvey
Salary: Dependant on experience (plus annual bonus and company benefits) Hours: 37.5 per week

Emu Ltd is a specialist environmental survey and consultancy that provides multidisciplinary services to a wide range of clients operating in the coastal and offshore marine markets worldwide. Client sectors include renewable energy, offshore aggregates, oil & gas, cables and civil engineering. The company is currently undergoing significant growth and has an opening for a highly motivated individual to join their Geosurvey department.

A full-time position exists for a Party Chief / Project Manager. The ideal candidate will possess several years experience of undertaking hydrographic and geophysical site surveys. A full understanding of data acquisition and processing methodologies is required. Experience of undertaking party chief duties and project management of survey contracts, would also be highly desirable.

The successful candidate will be involved in all aspects of marine surveys including:

- Managing site surveys – mobilisation and data acquisition through to completion
- Advising colleagues and clients on survey requirements, and developing scopes of work and technical specifications
- Party chief duties on board a variety of offshore survey vessels from 12 to 35 metres
- Project management of hydrographic and geophysical survey contracts
- Data evaluation, interpretation and presentation to the end client.

This opportunity offers fantastic career progression, training, competitive salary and excellent benefits. It is an ideal opportunity for an enthusiastic individual who wants to develop their career in an interesting and dynamic environment.

Emu Ltd offers a commitment to personal and professional development and rewards success. The company encourages a healthy work life balance with flexible working conditions.

To Apply: Please apply in writing by sending a CV and covering letter to emu@handoverhr.co.uk or by post to Emu Limited HR Department, Chase Mill, Winchester Road, Bishops Waltham, HANTS. SO32 1AH

Please Note: In order to meet the requirements of the Asylum and Immigration Act 1996, Emu Limited requires that all applicants have the right to work within the UK. Closing Date: June 10th, 2011

4.c) GEMS SURVEY - METOCEAN ENGINEERS

GEMS Survey Ltd (GEMS) is a UK based internationally operating, marine geophysical, metocean and hydrographic survey company. Following continued growth we are seeking to employ Metocean Engineers to support their commitments to the London Gateway Port Project, based in their Gravesend, Kent office and warehouse facilities. There will be a requirement to work on board their vessels supporting operations in the Thames Estuary.

Responsibilities will include:

- Maintenance, testing and preparation of all Metocean equipment
- Metocean and Geophysical field engineering activities in line with GEMS' day to day business.
- Promoting good metocean field practice when working within multi-disciplinary technical teams
- Keeping abreast of state-of-the-art knowledge and developments in the industry, if necessary by proposing an education/training programme for management approval.

Ideal candidates will preferably have a minimum of 2 years marine/offshore experience in either geophysical or metocean surveys, although other suitably qualified/experienced candidates will be considered. Qualifications/ Experience in at least two of the following disciplines will be advantageous:

- Electrical and Electronic Engineering
- Control systems
- BSc Ocean Science or related discipline
- Rigging and slinging
- QHSE- Writing of procedures, controlling safety environment, record keeping
- Calibration of instruments

GEMS are able to offer a challenging, interesting and rewarding career to employees keen to develop their abilities. GEMS also offer a competitive salary, company contributed pension and bonus scheme. To apply, please forward covering letter, CV and salary expectations to maxine.collins@gems-group.com.