

# oceanbuzz!

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

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Oceanbuzz Issue No. 108 – 21<sup>st</sup> July 2009

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## **1. GENERAL OCEAN NEWS**

### **1.a) DEEP OCEAN LAUNCHES VECTOR™ T4 ROV**

Deep Ocean Engineering has formally launched the latest edition to its highly successful Vector™ ROV Family. The Vector™ T4 follows the introduction in 2007 of the L4 and in 2008 of the M5, both of which are in service worldwide. Utilizing a common Graphical User Interface (GUI) Operating System, a common proprietary brushless thruster design and many other common parts, the Vector is the only family of observation-class ROVs that can operate to depths of 1000m while accommodating significant payload for a suite of tools and sensors.

The T4 is the logical successor to the Triggerfish ROV that was first introduced in 2003 and is in service in several countries. The T4 is not only lighter in weight and more powerful than the Triggerfish; it is also nearly 200mm or 9 inches shorter in length. In addition to being lighter than all comparable ROVs, it also has the greatest thrust to weight ratio in its class, can operate in more current than any comparable ROV on the market and boasts the highest payload.

Another important innovation for the T4 is the use of a rugged laptop, manufactured by GETAC, to replace the traditional heavy console that is typical with many ROVs. The rugged laptop, a favorite of the law enforcement and military markets, has enabled Deep Ocean to introduce cutting edge software and other innovations not available on most other ROV platforms. The T4 will also come standard with the latest generation of dimmable LED lights manufactured by Deep Sea Power & Light to dramatically improve performance, reliability and enable alternative lighting patterns to reduce camera back scatter by as much as 90%.

Sales activity for the T4 is quite strong in anticipation of first deliveries at the end of August. Deliveries in the fourth quarter of 2009 are forecast to be in the double digits and by 2010; the T4 is anticipated to be Deep Ocean's best selling ROV.

For further information please contact: Mike Gilson, VP Customer Solutions, +1 510 562 9300 ext 105 or Email: [mgilson@deepocean.com](mailto:mgilson@deepocean.com).

### **1.b) FUGRO CHANCE COMPLETES POST-STORM DETAILED SURVEY**

Offshore survey company Fugro Chance Inc. recently completed work in the Gulf of Mexico on a damaged platform, detailed survey.

The Marine Construction Survey Division of Fugro Chance was responsible for the precise mapping of a platform jacket in approximately 380' of water. The platform's deck had been damaged during a storm, with the platform jacket being inclined in excess of ten degrees from its vertical position.

Precise mapping of the platform jacket from sea level to seabed, and detailed mapping of the debris field on the seabed was derived using a Multibeam Echosounder (MBE) system. This was accomplished in conjunction with Fugro's proprietary Fine Track L200 Integrated Navigation System (INS). Fugro pioneered the development of INS solutions to address subsea positioning in today's highly demanding and oil and gas projects. Post processing of the MBE data was performed using Fugro's proprietary suite of Starfix® processing applications.

Imminent rig arrival on location and an unfavorable weather forecast dictated that Fugro Chance mobilize personnel and the equipment spread to the dock within 24 hours of notification. The vessel departed dock after a mobilization period of only 18 hours.

Fugro Chance is a member of the Fugro group of companies. Fugro has 275 offices in more than 50 countries and 12,000 employees. As a global leader, Fugro offers advanced geotechnical surveying, seismic, oceanographic, and positioning services.

For more information please contact Dixie Poche', Marketing on Tel: +1337 268 3286 or Email: [dpoche@fugrochance.com](mailto:dpoche@fugrochance.com)

### **1.c) TRITEX MULTIGAUGE 3000 UNDERWATER METAL THICKNESS GAUGE USED FOR INSPECTION OF COPENHAGEN HARBOUR**

Niras, a large engineering consultancy company with headquarters in Denmark and offices all around the world, were recently tasked with the inspection of pilings in Copenhagen harbour. They chose a Tritex Multigauge 3000 Underwater Thickness Gauge for the purpose. The Multigauge 3000, supplied by Force Technologies and manufactured by UK based Tritex NDT Ltd, uses multiple echo to measure the metal thickness without removing coatings.

The Multigauge 3000 has a large bright 10 mm LED display that can be seen even in poor visibility conditions. It also has a topside repeater option that can be added at a later date if required by simply replacing the end cap. The gauge benefits from Tritex standard features which include Intelligent Probe Recognition (IPR), Automatic Measurement Verification (AMVS) and Coating Plus+ for extremely thick coatings, all of which give improved measurement performance. The integral battery lasts 55 hours on one single fast charge and the gauge has convenient buttons to adjust the calibration.

For further information please go to [www.tritexndt.com](http://www.tritexndt.com) or contact Mr Jon Sharland on Tel: +44 (0) 1305 257160 or Email: [sales@tritexndt.com](mailto:sales@tritexndt.com)

#### **1.d) ASHTEAD ENGINEER MAKES GREAT IMPRESSION ON DEMANDING MOBILISATION**

Did you know that Ashtead Technology can provide Offshore Support for your Mobilisations? Aberdeen Engineer Stuart Fraser has recently returned from overseas where he was supporting a Hallin Marine mobilisation. The mobilisation was a demanding job, due to the number of components required on the ROV - far higher than standard.

Ashtead Technology had a wide range of survey sensors onboard two Hallin ROV's. An ROV was deployed with a Seabat 8125, Octans Gyro, RDI Workhorse Navigator, a Valeport mini SVS as well as a range of Tritech bathycorrometers and Profilers, all rented from Ashtead Technology. A second ROV, also had a Tritech Bathy.

Hallin director Mark Wood said: 'With such a complex mobilisation, having an Ashtead engineer on site was advantageous by providing specific knowledge of the survey sensors being used and ultimately assisted greatly in what was a successful mobilisation'.

As an Ashtead Technology Offshore Support Engineer, Stuart supported the set up of the Ashtead Technology equipment allowing for a smooth mobilisation of the ROVs. He was also responsible for integrating a Reson fibre optic convertor and updated power supply to the ROV electronics pods.

Ashtead Technology can provide equipment from a single Gyro to a complete system of components for all of ROV and Survey applications, whether short or long-term, along with an experienced Offshore Support Engineer, if required. All equipment is supported by dedicated 24 hour Technical Support service, manned by highly trained engineers.

For further information, please contact Angela Sakapaji, Marketing Executive, Ashtead Technology on Tel: +44 (0) 1224 771888 or Email: [angela.sakapaji@ashtead-technology.com](mailto:angela.sakapaji@ashtead-technology.com)

#### **1.e) OMM AWARDED ISO 9001 RECOGNITION**

Marine solutions company, Offshore Marine Management (OMM) are proud to announce their recent award of the ISO 9001: 2008 certification as assessed and granted by ISOQAR for their Quality Management System.

The ISO 9001: 2008 standard and certification applies to OMM's management systems in relation to: specialist consultancy in telecommunications, oil & gas and renewable energy, project management and delivery, provision of cables and cable accessories, personnel and vessels.

Commenting on the ISO 9001 award, Rob Grimmond, OMM's Managing Director stated "In the current climate the delivery of high quality services is of paramount importance to sustain long term business success. We are therefore delighted to have achieved such recognition and this further underpins our clients and Offshore Marine's high standards and expectations of supplying quality services to the renewable energy and submarine telecom sectors".

For more information, contact Martine Rondeel on M +44 (0)7515 502055 or email: [Martine@offshorem.com](mailto:Martine@offshorem.com) or visit the website: [www.offshorem.com](http://www.offshorem.com)

## **2. WHO'S ON THE MOVE?**

### **2.a) SENIOR POST FILLED AT FUGRO GEOS AUSTRALIA**

Craig Schluter has joined the ever-expanding Fugro GEOS group as the Australian and SE Asian Regional Consultancy Manager, based in Perth, Australia. Throughout the past 15 years, he has gained a vast range of experience in the coastal and offshore industries within Australia and Internationally. Previously, Craig has held senior positions as Principal Coastal Engineer/Manager with WorleyParsons Pty Ltd and as a Senior Ocean Engineer/ Oceanographer with RPS MetOcean Engineers Pty Ltd.

"We are pleased to welcome Craig to our Australian office and to the global Fugro GEOS team," says Mark Wimshurst, Sales & Commercial Director. "He joins us at an important time, and with his strong metocean and engineering background he will be an invaluable asset. He will be responsible for such key areas as creating and fostering strong client relationships; derivation of metocean design and operating criteria; consultancy project management and assisting with regional sales and marketing."

As a specialist in numerical oceanography and engineering, Craig has previously undertaken cyclonic design criteria studies, wave and hydrodynamic hindcasting, port operability studies; coastal processes/coastal engineering and coastal environmental applications embracing projects in Australia and other parts of the world. He is now particularly looking forward to providing solutions to engineering and operational issues driven by metocean considerations.

Craig Schluter gained his MSc and BSc in Coastal Oceanography at Flinders Institute for Atmospheric and Marine Sciences, Flinders University of South Australia further to his BE Bachelor of Engineering (Civil Engineering) from the University of Adelaide.

For further information please contact Maria Silva, Marketing Manager - Fugro GEOS at Email: [m.silva@geos.com](mailto:m.silva@geos.com)

## **3. EVENT, TRAINING & DEMONSTRATION NEWS**

### **3.a) 2ND ANNUAL OCEAN ENERGY FOR NE CONFERENCE**

Takes place on 17<sup>th</sup> September 2009 at the Cape Codder Resort in Hyannis, MA from 8:00 AM - 1:30 PM. Go to [www.mrec.umassd.edu](http://www.mrec.umassd.edu) for agenda and registration.

### **3.b) NEW ENGLAND MARINE RENEWABLE ENERGY CENTER'S 1ST ANNUAL TECHNICAL CONFERENCE**

Will take place on 15<sup>th</sup> October 2009 at the Advanced Technology and Manufacturing Center (ATMC) located in Fall River, MA. To submit an abstract (15<sup>th</sup> August 2009 deadline) and to register go to [www.mrec.umassd.edu](http://www.mrec.umassd.edu).

### **3.c) HYDROGRAPHY & MARINE SDI SYMPOSIUM**

UK National Hydrographer Rear Admiral Ian Moncrieff will be the Keynote Speaker at a one-day symposium on Hydrography & Marine Spatial Data Infrastructure organised by The Hydrographic Society UK's Southern Region at Bradfield College, Reading on Tuesday 27 October.

Dealing with data collection and related issues under the theme, Measure Once, Use Many, the programme will cover a wide range of issues with important implications for the future of hydrography. Session topics include Spatial Data Infrastructure, Vertical Offshore Reference Frame - Concept, Status & Validation, Hydrographic Workflows & Standards, The UK Civil Hydrography Programme, Hydrographic Content, Ireland's INFORMAR Project for Sustainable Development of Marine Resources, Collaborative Near Shore Surveys, and the UK Marine Bill. Proceedings will conclude with an open forum.

Lead speakers are drawn from all sectors of government, industry and academia including DEFRA, the UK Maritime & Coastguard Agency (MCA), the International Hydrographic Organization (IHO), the Channel Coastal Observatory, University College London (UCL), Geological Survey of Ireland, CARIS, Dumashie Associates, Gardline Geosurvey, and SeaZone Solutions.

The delegate registration fee up until 31 August is £85 and thereafter £100. A concessionary rate of £65 is available for retired individuals and bona fide students.

Further details, including online registration, are available via [www.ths.org.uk](http://www.ths.org.uk) or [southern@ths.org.uk](mailto:southern@ths.org.uk).

#### **4. JOB POSTINGS**

##### **4.a) EMU LTD SEEK VESSEL MANAGER, HAMPSHIRE, UK**

Emu Limited is a marine consultancy and survey company based in Hampshire employing 90 people and operating 5 survey vessels engaged in the offshore aggregate, renewable, and oil and gas sectors.

Key responsibilities are to maximise availability, and the efficient operation, of Emu's fleet of survey vessels adhering to company procedures and best ship management practices.

The safety of crew and surveyors is of paramount importance. Working with Emu's HSE Advisor, undertake regular review of safe working practices on all Emu vessels and audit charter vessels; Planning, control and execution of all activities connected with maintenance, repairs, survey and certificate requirements, dry docking, and modification of vessels; Ensure all vessels are appropriately crewed using Emu staff and agency personnel. Briefing crew on the survey plans prior to them joining the vessel; Authorising all necessary orders for stores, spares, repairs and surveys so that the vessel is stocked for safe and efficient operation; Preparation of budgets and ensure that strict cost control on all aspects of vessel expenditure is enforced; Visiting the vessels at regular intervals and report on safety, general condition, repairs and maintenance, crew and environmental performance, and actions required.

Please send your CV and covering letter to Laura Powell at [emu@handoverhr.co.uk](mailto:emu@handoverhr.co.uk).