



## UNDERCURRENTS

Issue 8, March 2008

Issue 8 of Undercurrents sees MSI start 2008 on a high note. This issue outlines some of the projects that have been won by our Australian office, and also reports back on the Middle East Ocean Science & Technology Exhibition we attended in Abu Dhabi in January. We are also in preparation for what will be our 2<sup>nd</sup> exhibition at Oceanology in London in March. As usual, don't forget to check our website [www.metoceanservices.com](http://www.metoceanservices.com) for regular updates and send any comments or suggestions you may have or requests for more information to [info@metoceanservices.com](mailto:info@metoceanservices.com).

### *MSI Secures Double Contract for Total Indonesia With PT Pageo Utama*

We are pleased to confirm that we have secured two contracts for Total Indonesia (Total) through our Indonesia partners, PT Pageo Utama (Pageo).

The first project is a 12 month Metocean campaign offshore of Mahakam Delta, to the north of Balikpapan, in the Makassar Strait where waves, directional currents, water depths, water levels, sea temperature and conductivity will be measured at 5 locations over the course of the year.

Meteorological data will also be observed at a shore station established at Pageo's base in Handil.

The data collected will provide Total Indonesia with a reliable metocean database with which to calibrate numerical models and in the derivation of accurate and consistent metocean design criteria for extreme and fatigue studies, which may be carried out during Total's future engineering development. The data will also be used to facilitate safe marine operations at and near the observation locations.

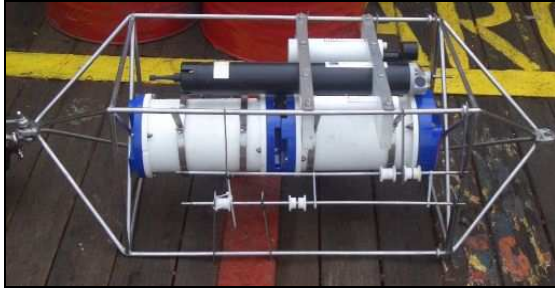
MSI successfully deployed the first set of moorings and the weather station in December 2007 and will recover and service them in March 2008. TRD Instruments 300 KHz Acoustic Doppler Current Profilers, RBR tide gauge and CTDs and ORE acoustic releases are installed on a bottom mount frame and on a 60m wire mooring.



The second project is the provision of real-time current measurements to support a drilling campaign offshore North Lombok. MSI will install a TRDI 75kHz acoustic Doppler current profiler to measure multi layer currents in 600m of water whilst the rig is drilling a single well.

As well as being archived for future use, the data observed will also be displayed on MSI's in house software, to assist the drilling engineers during the drilling and Remotely Operated Vehicle (ROV) operations.

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The rig is due to arrive at location later this month but prior to this, the rigs anchors will be pre-laid. Due to the lack of quality data for this location, MSI have deployed the current profiler from a vessel moored to one of the anchor buoys to gather as much data prior to the rigs arrival.

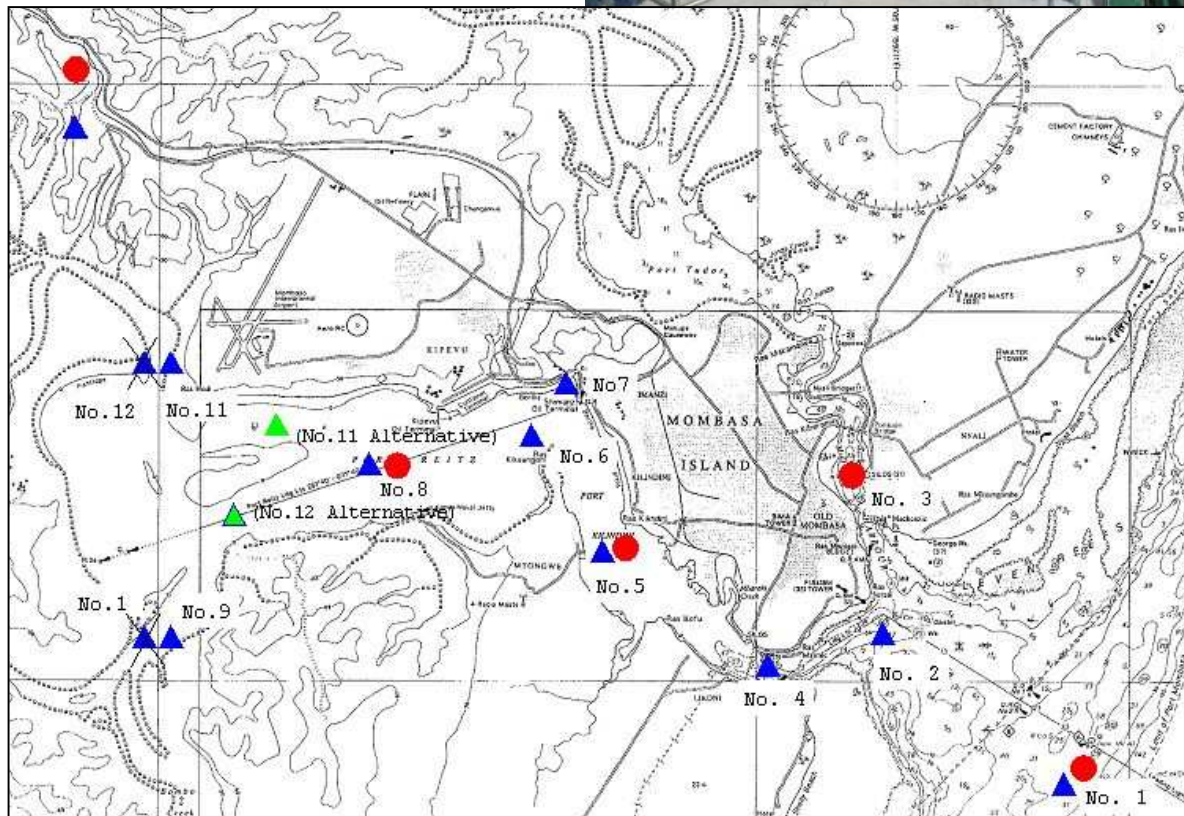
This was conducted in February with the system being transferred to the rig on its arrival in the field.

This is the first project that MSI are undertaking with Pageo, a fast growing Indonesian service based company focusing in the survey and subsea services field, following the signing of an exclusive agreement for the provision of Metocean services in Indonesia.

Both companies are relatively young but they are backed by extensive owner and employee experience and an existing relationship between the senior management of both companies from their previous employers.

*MSI goes regional with project in Kenya*

MSI, on behalf of Alpha Kenya, is in the process of completing a current and tide measurement programme for the Kenya Ports Authority (KPA) in Mombasa, Kenya. The programme involved current and tide measurements at 11 and 4 locations respectively, as well as collection of more than 240 water samples. The samples were sent to the Kenya Marine Fisheries Research Institute in Mombasa for analysis of suspended sediment concentrations.



### *MSI Australia scoops Vietnam measurement programme*

Metocean Services International Pty Ltd (MSI) is pleased to confirm that it has secured a 12 month contract through its Vietnamese partners, Romona International Limited (RIL).

The project involves deploying a single current mooring in 185m of water approx. 440km from Ho Chi Minh City. The mooring consists of two TRDI 300 kHz Acoustic Doppler Current Profilers (ADCP) mounted in Open Seas Instrumentation D2 streamline buoys, ORE CART Acoustic Releases for recovery of the mooring and a Seimac Argos satellite beacon for tracking of the mooring should it be released early.

The mobilisation commenced in February 2008 with the mooring being successfully deployed towards the end of that month. The mooring will be recovered every 3 months, data downloaded, equipment serviced and then redeployed.

The objectives of the current profiling is to undertake ocean current investigations at the preferred drill location in the field to accurately determine the ocean current speed and direction for a period of one year. Once known, an accurate mooring and subsea riser analysis can be done prior to the deployment of a floating drilling unit. Accurate measurements of

current speed and direction are imperative for floating drilling operations.

Although this is MSI's first project in Vietnam and with RIL, they have worked extensively with RIL's parent company, Romona Inc., in Russia where they have provide a complete range of metocean services, including under ice measurements, for the last four years.



This contract is held by the MSI Australia office which was established in November 2006 specifically to secure and support work within the Australia and Asia region.

### *MSI exhibits at inaugural MEOST*



In January, MSI exhibited at the inaugural Middle East Ocean Science & Technology Conference & Exhibition which was held at the Abu Dhabi National Exhibition Centre in parallel with the World Future Energy Summit. The exhibition provided a good opportunity to meet with existing and potential clients in the region and to network with suppliers and colleagues alike.

Seen in the photo on the left are Sidney Bilski from MSI and Mohammed Ansar from Progressive Technologies (Ptech). MSI recently supplied Ptech with a Nortek Aquadopp Current Profiler and during the course of the exhibition Paul van Wonderen provided Mohammed and colleagues with training in the use of the instrument.

Based on the responses received during the exhibition MSI plans to be part of the 2009 event.

*MSI awarded 2 year call out contract for WesternGeco throughout Asia Pacific region*



We are pleased to announce the award of a two-year call out contract to provide current and tide measurement services to Orogenic GeoExpro Sdn Bhd of Kuala Lumpur, Malaysia. This contract forms part of a much larger contract awarded to only two companies, one being Orogenic GeoExpro, by WesternGeco for the provision of call out services to support their seismic programs within the region.

WesternGeco, the world's largest seismic company, provides comprehensive worldwide reservoir imaging, monitoring, and development services, with the most extensive seismic crews and data processing centers in the industry, as well as the world's largest multi-client seismic library. Services range from 3D and time-lapse (4D) seismic surveys to multi-component surveys for delineating prospects and reservoir management.

WesternGeco operates in every continent and this contract, covering the Australasian region, can require MSI to provide personnel and equipment (current meters, current profilers, data buoys, acoustic releases, underwater modems, satellite locator beacons and mooring components) for projects in Australia, Singapore, Malaysia, Indonesia, Hong Kong, Philippines, India, Vietnam, China, Japan and Thailand.

Speaking on behalf of MSI Australia, Stefan Stimson commented, "This is a fantastic contract for MSI to be awarded and it reinforces our decision to establish a company in this region. We have worked previously with Orogenics GeoExpro and look forward to continuing this excellent relationship over the duration of this contract and having the opportunity of providing a professional state of the art service to WesternGeco throughout the Asian Pacific region".

The partnership between MSI and Orogenics GeoExpro has previously been successful and, in this particular case, the expertise of both companies complement each other perfectly with MSI providing the entire oceanographic component of the contract and Orogenics GeoExpro providing the bathymetric and side scan data acquisition as well as the local logistical support and expertise.



"Similar to our previous collaboration with MSI, we are looking forward to having another successful working relationship with MSI in terms of the provision of Metocean Services to WesternGeco under this contract. With the presence of MSI, we are confident that the oceanographic part of the work can be timely and efficiently done" said Mohamed Zulkifli Abdul Aziz, Managing Director of Orogenic GeoExpro.

*MSI welcomes aboard new data processor & continues relationship with UCT*



MSI is pleased to announce that Candice Hall has joined our company to assist with data processing. Candice is currently finalising her Masters Degree in Physical Oceanography at the University of Cape Town and is taking over much of the day to day processing, analysis and reporting.

2008 has also seen the 3<sup>rd</sup> year that MSI has presented a module on Project Management to students completing the Masters Degree in Applied Marine Science at the University of Cape Town. The module covers all aspects of project management, including the use of Microsoft Project.