



## METOCEAN SERVICES INTERNATIONAL (PTY) LTD

# UNDERCURRENTS

Issue 9, December 2008

2008 has been a very busy year for MSI with a large number of new projects commencing internationally, the hiring of additional staff and more recently the moving of our South African office to much larger premises to cope with this expansion. Unfortunately this has therefore meant that it has been 8 months since we published issue 8 of Undercurrents but hope that the enclosed articles will bring you up to date with our recent activities. You can also find more details on these and other projects at our brand new website ([www.metoceanservices.com](http://www.metoceanservices.com)) where we have added significantly more content, and interactive map and made it easier to navigate. As usual, we welcome your feedback and encourage you to check the website regularly for updates.

### *Update on MSI operations in Madagascar*

In 2007 MSI was awarded a 2 year contract by Daiho Corporation for installation and maintenance of metocean measurement systems in Fort Dauphin Madagascar, as well as processing of all data. MSI is now in the 2nd year of the contract and while initially visits were made at 2 monthly intervals to the site, at the request of Daiho the frequency of servicing of equipment has been increased to every 6 weeks. During each visit, client-supplied divers recover 3 Nortek Aquadopp current meters, 1 Nortek Vector current meter and 1 RBR wave gauge



These instruments are serviced (data download, battery change and cleaned of biofouling) before being redeployed. In addition to these instruments, MSI also downloads and processes data from a tide gauge and a Datowell waverider buoy.

Data from the waverider is automatically sent to our offices in Cape Town for ongoing validation. The data is being collected as part of input to the engineering design of the Port of Ehoala.



### *MSI exhibiting at Australasian Oil & Gas 2009*

**AOG** MSI will be exhibiting at the Australasian Oil & Gas exhibition and conference at the Perth Convention Exhibition Centre from 17-19 February 2009. AOG is the premier oil & gas industry exhibition in Australia. It has run for over a quarter of a century and when the doors open, it will be the largest oil and gas expo ever held in the Southern Hemisphere. Visit us at stand A02 or <http://www.aogexpo.com.au/> for more information.

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### *MSI awarded long term measurement contract off Gabon*

MSI has been awarded a multi-location metocean measurement programme in Gabon for Total. Although MSI is already working with Total in Indonesia through our partners Pageo, this contract is the first in Gabon for the company.



For this project 7 sets of equipment have been installed, being 3 bottom frames fitted with ADCPs, 1 conventional mooring, 1 wave buoy and 2 weather stations (one onshore and one on an offshore platform).

Mobilisation was conducted from the vessel MV Annelies and occurred over a period of 3 days in September 2008.

Servicing on the equipment is scheduled for every 3 months, and data from the wave buoy is being automatically transmitted to MSI's data centre in their offices in Cape Town for validation. The combination of different moorings, equipment and onshore /

offshore locations make this project interesting although MSI has extensive experience with these configurations.

The objective of the study is to provide Total with a reliable metocean data base so as to facilitate safe coastal protection design for Cape Lopez.

Additionally, the study will provide the basis for derivation of accurate and consistent metocean design criteria for extreme and fatigue studies which may be carried out during Total's future engineering development of the area.



### *MSI appoints new field engineer*



MSI is pleased to announce the appointment of Jason Hayden as Field Engineer to meet an increasing workload of field work.

Jason joined MSI on the 1st December 2008 as a Field Engineer after completing his Masters Degree of Technology in Oceanography from Cape Peninsula University of Technology. He also has a National Diploma in Oceanography.

Jason has experience in aquaculture, working for Capricorn Fisheries and AquaH20, and in physical measurements from his work with Bayworld, MCM, BCLME and Fugro. His experience and qualifications will make him a valuable member of the MSI team and he is already timetabled for an overseas trip in his first week of joining.

A qualified commercial diver, Jason is also interested in electronics and marine aquaculture.

### *MSI awarded long term deepwater measurement contract in Norway*

Metocean Services International (Pty) Ltd (MSI) has successfully mobilised and conducted the first service visit on a deep water current mooring north of Trondheim, Norway in the Luva field for StatoilHydro.

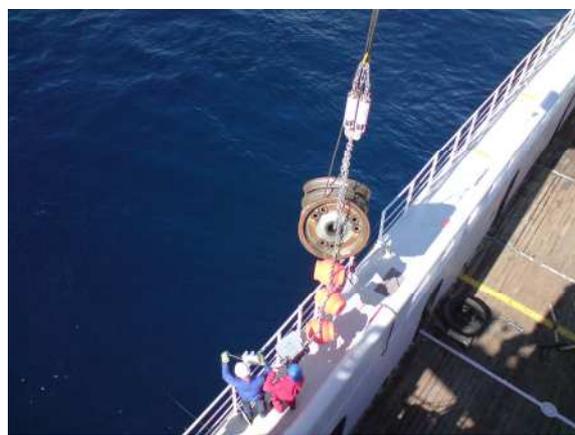
The Luva field is located about 240 kilometres west of Bodø and the licence was awarded in 1996. The water depth in the area is around 1,300m and the reservoir is 2,800 metres beneath the seabed. Recoverable reserves in the field are estimated at some 38 billion cubic metres of gas.



The mooring was deployed in August 2008 using the vessel MV Siem Louisa and serviced in November 2008 using the MV Ocean Prince, and comprises a TRDI 300kHz ADCP, 14 Nortek Aquadopp current meters and 15 RBR Ltd XR420 CTD loggers.

The mooring extends from seabed to about 50m below the surface. For deployment the entire mooring was laid out on deck and all components assembled and then deployed using the anchor last method.

The measurement programme is planned to last for 1 year, with servicing of the mooring scheduled for every 2 months. During the servicing, the entire mooring will be recovered onboard, data downloaded, new batteries fitted and all mooring components replaced prior to redeployment.



Although MSI engineers have previous experience working in Norway, this contract is the first in Norway for the company, and the first for StatoilHydro, and again confirms our ability to operate on a worldwide basis.

### *MSI expands into new offices*

Due to continued expansion with both personnel and equipment, MSI has relocated its office in Cape Town to the Constantiaberg Business Park in Diep River. Occupying units 13 and 15 of the office park, the extra space will not only allow a bit more elbow room for everyone based there, but also means that there is plenty of room for the servicing and storage of the ever increasing equipment pool. This is the second move of the Cape Town office since the formation of the company in 2003. Having previously moved to Gabriel Place in late 2005, recent growth meant that MSI had outgrown that building and an alternative was required.



By moving into units 13 and 15, not only does this accommodate MSI's current size, this also allows for anticipated further expansion. The address of the new office is:  
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