



# Metocean Services International

Global Providers of Meteorological & Oceanographic Services

## Australian Product News



Your Path Through the Sea

MARINE | FRESHWATER | CRYOSPHERIC



12 RBR CTD's ready to be deployed on a 1,200m mooring.

### Highlights in this edition:

- Record RBR sales for 2008-9
- New software is coming
- Navy trials and chooses RBR Tide Gauges
- XRX Series Multi Parameter Data logger
- MSI Appointed AXYS Tech. Australian Agent
- Introduction to TRIAXYS Buoy

## MSI Australia Enjoys Record Sales of RBR Loggers in 2008/9 Financial Year

MSI secured the exclusive Australian agency for RBR Ltd in the middle of the 2006/7 FY. The following year, sales increased significantly and having just finalised our second complete financial year with RBR, we are pleased to report another bumper year of RBR sales throughout Australia.

With growth in the order of 250% on the previous year, MSI is reporting Australian sales in excess of A\$350,000 in 2008/9. With loggers being sold into all the Australian States and with deployments in the Southern, Atlantic and Pacific

Oceans as well as the Torres Strait, we seem to have the country surrounded.

The 2008/9 sales have included nearly 40 CTDs and over 30 Tide Gauges as well as other scientific loggers so it is particularly pleasing how wide spread the orders have been across the entire RBR range of loggers.

With the first month of this FY out of the way and orders of nearly 20% the value of last year's total already received, it looks like the growth of RBR loggers into the Australian market is set to continue.

## RBR Software - Ruskin is Coming

RBR's software has always been popular with the users as not only is it simple to operate, the same piece of software is used for all RBR loggers. RBR is now introducing a new cross-platform multi-instrument software application, Ruskin, as its successor.

Ruskin has been written to enable multiple instrument and dataset support, cross platform operation on PCs, Macs, and Linux computers, and remote network access to instruments.

It lays the foundation for planned enhancements, such as increased data export options, application specific modes for harbour masters and lab technicians, and more detailed analysis tools.

Both Ruskin and their legacy software will be available during a transition period, and RBR will fully support customers using the Windows software until they update.

If you wish to be involved in the testing phase of Ruskin, please contact us.

**"These Tide Gauges are considerably less cumbersome, easier to program and download."** –

**See over**



RBR's new advertising campaign featuring the above image hit international publications recently



HMAS Leeuwin (picture courtesy of [www.hydro.gov.au](http://www.hydro.gov.au))



A Sea Spider frame with bracket ready for the RBR Tide Gauge. (picture courtesy of the RAN)

## Royal Australian Navy – Successful Trial of RBR Tide Gauges

The Royal Australian Navy recently purchased a number of different RBR Tide Gauges to trial in their equipment pool. These were the TGR-1050P, a single channel tide gauge, and the TWR-2050P which is the tide and wave gauge.

The idea of the trial was to run them in parallel to their existing (and ageing) tide gauges as a direct comparison. The trials were so successful that the Navy have already purchased a further 10 gauges to add to their operational pool based in Cairns. MSI have now been issued with a NCAGE code and the Navy is in the process of coding the gauges into their Defence Stores Inventory for sustainment purposes.

The Navy's hydrographic website, [www.hydro.gov.au](http://www.hydro.gov.au), details the recent purchase as follows: "The Australian Hydrographic Service has recently purchased the RBR TGR1050P tide gauge. This tide gauge has been trialed and will be brought into service to compliment the S4 tide gauges. These tide gauges are considerably less cumbersome, easier to program and download".

As well as the self contained submersible tide gauges, RBR build various vented gauges to suit harbor, platform and even remote shore installations. Please feel free to contact MSI for more details.



## XRX Series Multi Parameter Data Logger

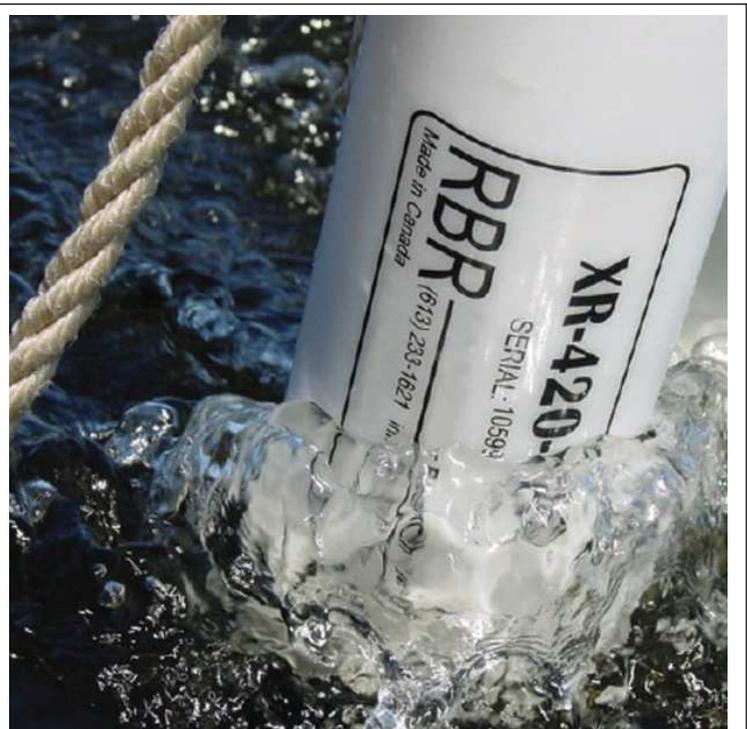
RBR is pleased to announce the introduction of the XRX Series of multi-parameter data loggers. Ten sensor channels can now be handled by a single instrument, including CTD, Turbidity, Fluorescence, pH, DO, ORP and other physical and biological parameters.



The unit supports both RS232 and RS485 data communications and external power, in addition to the standard internal autonomous mode.

The XRX is an extension of the existing RBR XR series that was custom build but difficult and costly to upgrade. This RBR Data Logger is field upgradeable and delivers a flexible and upgradeable instrument with functionality that can be extended as budget becomes available or requirements evolve.

Applications include oceanography, limnology and polar research - all arenas where accurate measurements are required in difficult conditions (deep ocean, coastal waters, lakes, rivers, permafrost and ice).



If you would like any more information on the stories contained in this newsletter or have a story or photograph you would like to include in a future edition, please contact us via our website or email [stefan@metoceanservices.com](mailto:stefan@metoceanservices.com).

## MSI Appointed Exclusive Australian Agent for AXYS Technologies Inc.



MSI is proud to announce that, on the 1 July 2009, AXYS Technologies Inc. (AXYS) appointed MSI as its exclusive representative for marine environmental monitoring systems in Australia.

Monitoring the global marine environment is becoming an increasingly important activity and AXYS supports this effort through the design, manufacture, distribution and maintenance of remote environmental data acquisition, processing and telemetry systems.

AXYS buoys are deployed globally in a wide range of applications. These include Operational Marine Meteorology (Canada, Korea, Brazil, India, Italy), Research Marine Meteorology (Canada, USA), Hydro-meteorological programs (Canada, Egypt), America's Cup Yacht Racing (New Zealand), Port and Harbour Operations (Israel, Canada, Morocco, Spain), Security (USA, Chile, Brazil), and Coastal Erosion Programs (Canada, USA).



AXYS 3m buoy in situ supporting drilling operations



AXYS buoys come in all sizes for all conditions

AXYS' Matt Robson, responsible for marine systems business development in Asia, South America and the Pacific, stated "our partnership with MSI will offer enhanced support to the growing number of Australian organisations that rely on the accurate, real-time data that AXYS systems deliver."

MSI's Stefan Stimson added "the need to better understand Australia's marine environment has never been greater. We're delighted to represent AXYS and continue to build on the relationships they have with leading Australian organisations such as the Port of Melbourne, Defense Science & Technology Organisation (DSTO), Carnegie Corporation and Oceanlinx. We believe, as users of AXYS instrumentation around the world ourselves, that we are well qualified to not only represent AXYS for sales, but to also fully support the end user here in Australia."



### Introducing the TRIAXYS Directional Wave Buoy

The TRIAXYS Directional Wave buoy precisely measured directional waves using a sensor unit comprising 3 accelerometers, 3 rate gyros and a fluxgate compass. Features and benefits include:

- Easy to deploy and recover
- Low operating and deployment costs
- User configurable
- Rugged and reliable wave sensor
- Advanced motion and directional wave analysis
- Solar powered
- Supports variety of telemetry options
- Near real-time directional wave data



### Resolution / Accuracy

	Range	Res.	Accuracy
<b>Heave</b>	+/-20m	0.01m	<than 2%
<b>Period</b>	1.6 to 30 sec	0.1 sec	<than 2%
<b>Direction</b>	0 to 360°	3°	3°
<b>Water Temp</b>	-5°C to +50°C	0.1°C	+/-0.5°C



**Metocean Services International – Global Providers of Meteorological & Oceanographic Services in 23 Countries to Date (and counting!)**