



Newsletter – *July 2012*

ASB Systems Pvt. Ltd.

The way out!

Greetings!

Sometimes when in a dilemma, we think about the two obvious options that are available to us, without realizing that there could be a third option waiting at the doorstep, which could just be - the perfect way out!

In this issue of our newsletter, this is exactly what we wish to convey.

Last minute plans, with too much stuff on hand can work-up the best amongst us. Every project demands high quality data, and that too at the lowest possible budget. But there's the catch – high quality data comes at a price, and low cost solutions do not match up to the standards of your survey.....does it always HAVE to be this way??

Definitely NOT! There is always a way out!!!

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Rains – Keep them
pleasant, our expert's
way!

Customer satisfaction is our prime objective

Consider the case to achieve precise heading in a survey, where you do not want to compromise on the accuracy by using a fluxgate, but also want to avoid using an expensive gyro-compass. The way out – Use our GPS compass – The Hemisphere V111!



Superior navigation & accurate heading: The stability and maintenance-free design of the V111 replaces traditional gyrocompasses at a fraction of the cost.

- Affordable solution delivers 2D GPS heading accuracy better than 0.3 degree RMS.
- Differential positioning accuracy of less than 60 cm, 95% of the time.
- COAST technology maintains differentially-corrected positioning for 40 minutes or more after loss of differential signal.
- Fast heading and positioning output rates up to 20 Hz.
- Integrated gyro and tilt sensors deliver fast start-up times and provide heading updates during temporary loss of GPS.

Teledyne Benthos C3D: Combined Bathymetry with Sidescan

A “combined system” generally forms the image of a big, bulky towed instrument in our minds. Questions come to our minds: Manpower required for the job, winch, A-frame, a huge genset.....and worse still, if it is on a small survey boat the only way out is to do the job twice: first using a Multibeam system for the bathymetry, followed by sidescan survey for imagery. With a growing demand for “combined” bathymetry and sidescan surveys, one wonders if there is a way out?



The Benthos C3D-LPM is one such instrument designed especially to address this very issue !

LPM, or Lightweight Pole Mount as the name suggests, is suitable for portable applications, and can be used on small survey boats.

Weighing just about 20 kgs in air, and with a size of 1 m x 17 cm, the Teledyne Benthos C3D-LPM becomes the user's double edged sword, offering a wider swath than conventional bathymetry systems, and the combination of both imagery and bathymetry in one sensor.

The C3D-LPM system is designed for fisheries habitat mapping, port and harbor clearance, coastal studies, mine countermeasures and any other shallow surveys (0.1 to 100 meter max. altitude for optimal performance).

With a vertical resolution of 5 cms and a repetition rate of 30 Hz, the Teledyne Benthos C3D-LPM is capable of providing a swath width of 6-10 times the water depth. The system can be used for surveying depths till 100m. With a beam width of just 1 deg, the C3D-LPM can provide a coverage of upto 300 metres on each side. Offering total compatibility with popular acquisition and processing softwares, the C3D-LPM gives a tough challenge to its competitors.

So remember to give us a tinkle the next time you face a dilemma, and we may have the perfect solution for your problem....the perfect Way Out !!

CWC ADCPs –

Our engineering team has completed the installation and commissioning of the new RioGrande ADCPs from Teledyne RDI recently delivered to Central Water commission.

The post-installation support is being carried out on a regular basis to ensure that the user is comfortable with the system.

Nothing like adding more happy customers to our list!



Tech Tips



Its monsoon time!

And the time to properly maintain the equipment which is not currently in use. Equipment with batteries need special care: UPS, Current meters, Tide gauges, USBL beacons, all contain batteries. These should be disconnected and if possible, be periodically charged.

It is equally important to safely tuck away all equipment in a dry environment. You can also use silica gel pouches and insert them in the instrument chassis.

Drenched!!

Oops! Started raining, out of the blue....and the instruments got wet. Don't Panic! Follow simple steps:

- Immediately switch off & disconnect power and internal batteries.
- Turn it upside-down to stop water seeping inside.
- Clean up the reachable areas using tissue.
- Disassemble the case if required to clean internally.
- Let everything dry completely. Wet batteries can be kept in a bowl of uncooked rice.
- Once dry, put it back together and switch on.

All the best!!