



Newsletter – *May 2012*

# ASB Systems Pvt. Ltd.

## The first hello!

Greetings!

The overwhelming number of requests have compelled us to start with this initiative, a medium... to share with you the latest developments in the market, and the latest in technology.

The world of hydrographic surveying changes with every passing day, and it is becoming increasingly difficult to keep a tab on the changing technological trends. We aim to make this monthly newsletter, a bridge to overcome this gap....just for you!

Bonus: Our engineering team has also decided to pitch in some “Tech-tips” in every issue of the newsletter...a novel idea to educate users on the technical front, to help them achieve the best from their survey instrument.

## In this issue...

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| Teledyne<br>RDI  | The next generation –<br>Sentinel V-ADCP                             |
| Teledyne<br>Odom | The All-in-One<br>Multibeam – MB1                                    |
| At<br>ASB        | Saturdays - On<br>the house!!  |
| Tech<br>Tips     | Inverter Gensets and<br>Online UPSes –<br>Guaranteed clean<br>power. |

[www.asbssystem.com](http://www.asbssystem.com)

*Customer satisfaction is our prime objective*

## **Sentinel V-ADCP**

This model is the first in the V-series product line, and is loaded with a host of new features and capabilities. This self-contained instrument is available in three profiling ranges: 20m, 50m and 100m.



Wireless functionality: No more hassles. The instrument allows for wireless setups, firmware updates, and data downloads.

5 Beams! For data redundancy and enhanced measurements.

- Allows turbulence measurements.
- Allows error velocity validation.
- Allows zero up waves parameter.



Also accepts standard D- type batteries!

Other salient features include increased portability, Multiple bandwidths, single digit startup, multiple simultaneous sampling strategies, captured O-rings, and replaceable transducer pucks.

*Contact us for more details.....*



## Teledyne Odom MB1 Multibeam

Finally its here!

Another ruggedized and reliable system from Teledyne Odom.

Designed and manufactured entirely within the Teledyne Marine group to meet the growing needs of hydrographic professionals that are looking for a low cost shallow water multibeam echo-sounder.

Using both amplitude and phase bottom detection, the MB1 is capable of sounding a swath of up to 120° in 100m water depth. With 24 bit raw data and a dedicated projector, both raw water column and seabed data can be collected within the controller software. The NEW and improved Real Time Appliance (RTA) improves time synchronization all of the sensors necessary for surveying down to 0.1 ms. A new option for the RTA is a fully integrated GPS heading system. Titanium and Acetal materials have been used to ensure years of reliable use in harsh marine environments. Teledyne Impulse Titan® Series connectors are used for quick dependable data and power connection.



- Phase and amplitude detection
- 120 degree swath width
- In-built sidescan and snippets
- 24 bit Water column backscatter data
- Optional integrated motion sensor



**TELEDYNE**  
**ODOM HYDROGRAPHIC**  
 A Teledyne Technologies Company



Lunch is on the house, if you are at ASB's office on a working Saturday!

North Indian, Chinese, Continental....our efficient HR ensures everybody stays happy!! And if it's a birthday, you are in for a sumptuous cake too!



The lunch brings all departments together and serves as a means to unwind.....and start off a great week-end ! Cheers !!



### Tech Tips: For a guaranteed clean power supply.



Inverter Gensets – Genset manufacturers have taken note of the problems faced by users of sensitive equipment, and have come out with Inverter Gensets. These gensets have the capability to deliver clean power with a sine wave output. An increasing number of users in the marine community have started adapting to these.

Online UPS - In an online UPS, the batteries are always connected to the inverter, so that no power transfer switches are necessary. When power loss occurs, the rectifier simply drops out of the circuit and the batteries keep the power steady and unchanged.

The main advantage to the on-line UPS is its ability to provide an electrical firewall between the incoming utility power and sensitive electronic equipment.

