



Newsletter – November 2012

# ASB Systems Pvt. Ltd.

## Occult of the Ocean

That we are well-known in the littoral and terrestrial zones is common knowledge; that we also cater for oceanographic needs....is a well-known fact too!

For the un-initiated, ASB has a sound (no pun intended!) presence in the scientific and oceanographic communities. With a product range of ADCPs, Underwater pingers, Modems, Doppler volume samplers, and Fluorometers, we are capable of catering to every “Oceanic” need.

In this issue, we bring forth our suite of Fluorometers, manufactured by none other than the leader, Seapoint sensors.

**Special:** ASB alongwith TRDI hosted the first “**ADCPs in Action**” conference in India this month, jointly with the National Institute of Oceanography.

Presenting to you some pictures and details of this gala event.

## In this issue...



Seapoint Sensors – Underwater optical sensors since 1994



ADCPs in Action in India !



Tech Tips : Cracking the Multibeam Code !

*Customer satisfaction is our prime objective*



Presenting the **Seapoint sensors** product suite in a simple tabular format.

Name	Used for	Application
<b>Seapoint Turbidity Meter</b>	In-situ measurements of water quality	<ul style="list-style-type: none"> <li>- Pollution monitoring</li> <li>- Water quality</li> <li>- Sediment transport</li> <li>- River/stream monitoring</li> </ul>
<b>Seapoint Chlorophyll Fluorometer</b>	In-situ measurements of chlorophyll	<ul style="list-style-type: none"> <li>- Ocean profiling &amp; mooring</li> <li>- Water quality assessment</li> <li>- Biomass &amp; nutrients measurement</li> <li>- Environment stress tolerences</li> </ul>
<b>Seapoint Fluorescein Fluorometer</b>	In-situ measurements of Fluoroscein dye	<ul style="list-style-type: none"> <li>- Dye trace studies</li> <li>- Leak and spill detection</li> <li>- Flow measurement</li> </ul>
<b>Seapoint Rhodamine fluorometer</b>	In-situ measurements of Rhodamine dye	<ul style="list-style-type: none"> <li>- Dye trace studies</li> <li>- Mixing and dispersion studies</li> <li>- Leak &amp; spill detection</li> <li>- Flow measurements</li> </ul>
<b>Seapoint ultraviolet fluorometer</b>	In-situ measurements of chromophoric dissolved organic matter (CDOM)	<ul style="list-style-type: none"> <li>- Ocean color research</li> <li>- Wastewater discharge quality</li> <li>- DOM cycle studies</li> <li>- UV fluorescent dyes</li> <li>- Limnological studies</li> </ul>



For the very first time in India, “**ADCPs in Action**” Users’ meet was held at NIO, Goa, from 17<sup>th</sup>-19<sup>th</sup> October’12. This event gave opportunities to the ADCP user community within the country to participate and share their ideas, knowledge and experiences. Teledyne RDI alongwith ASB Systems pvt. ltd. partnered with NIO in hosting this event. The meet was graced by Dr.S.R.Shetye, Vice-Chancellor Goa University. Mr.Darryl Symonds, Director-TRDI Marine measurements, and Mr.Alan Kenny, Sales Manager-TRDI Navigation, shared their product knowledge with the users over this 3-day event. The proactive response to the event encouraged TRDI to announce it as a biennial seminar in India.

The event provided an ideal platform for the Indian ADCP users to come together, share their ideas, and interact. ADCPs in Action received an outstanding response in terms of knowledge and idea sharing, and also allowed users a direct face-to-face interaction with the manufacturer.

The seminar also served as an impetus to some thought provoking and innovative data handling procedures. TRDI looked into some actual data sets provided by users for training and quality analysis. Interactive sessions ensured personalized attention to every attendee.



Dr.S.R.Shetye gave an inaugural speech on the oceanographic challenges in the North Indian Ocean, and how modern day instrumentation like ADCPs aid in overcoming those challenges. This was followed by a welcome note to all attendees, by Mr.Darryl Symonds of TRDI and Mr.Arvind Bhuchar of ASB Systems. Dr.D.Shankar presented on the topic of Earth system Sciences and on the evolution of Ocean observation techniques to the present day.

Several other presentations followed, demonstrating the multifaceted use of ADCPs like in port monitoring, sediment plume monitoring and in mooring applications.



The following days saw presentations and interactive sessions from TRDI representatives.

Mr.Darryl Symonds & Mr.Alan Kenny of TRDI captivated the audience by presenting on the evolutions of the Doppler volume sampler and Doppler velocity log, right from their inception days to their present form. DVS & DVL advantages over the traditional methods, coupled with TRDI's cutting edge technology were the highlights of their sessions.

TRDI's new product, the Sentinel V was also showcased in the event, with users showing keen interest to its fabulous features.

## Tech Tips

### *Cracking the “Multibeam” code !!!*

**M**uster up – Make a detailed list of all items required for the job

**U**nderstand – Remember “RTFM”: Read your manual well

**L**ist out procedures and precautions to be followed

**T**raining – Get enough “hands-on” before you start the real survey

**I**nstallation – Pay special attention to the feasibility of the mounting

**B**enchmark - Every sensor's performance, so you have an idea when one starts malfunctioning.

**E**lucidate – The procedures: Offsets, Calibration and check-line survey

**A**nchor down – Don't leave the survey grounds before you replay the data to check its quality.

**M**op it up – Cut off spikes, follow data reduction routines to make your data compact and presentable.