



Newsletter – Feb 2014

ASB Systems Pvt. Ltd.

Blueview, the true view

Blueview Technologies, now part of the Teledyne Marine group, is a company based in Seattle, USA that caters to marine centric organizations by providing the instrumentation for underwater acoustic imaging and measurement. BlueView delivers mission critical instruments for subsea navigation, monitoring, survey, and detection.

Till date more than 500 BlueView systems are installed worldwide. BlueView Technologies' advanced sonar systems are currently deployed on AUVs, ROVs, surface vessels, fixed positions, portable platforms and diver hand-held systems.

Blueview sonars allow the user to:

1. "See" underwater, even in zero visibility conditions
2. Single/Multiple Target tracking for ROV/AUV Navigation and Dynamic positioning
3. Create a 3D As-built/As-found visual model of underwater target structures and surrounding area, with measurements
4. Identify subsea navigation hazards from a moving vessel
5. Surveying confined areas

Blueview sonars are broadly categorized into:

- **3D Multibeam scanners** – Fully interactive 3D info, measurements
- **AUV Sensors** – For real-time navigation and hi-res gap fill mapping
- **2D Multibeam imaging sonars** – Real-time streaming video-like imagery underwater

In this issue...



Teledyne
Blueview – Your
underwater
imaging partner



Blueview -
Applications and
Case Studies

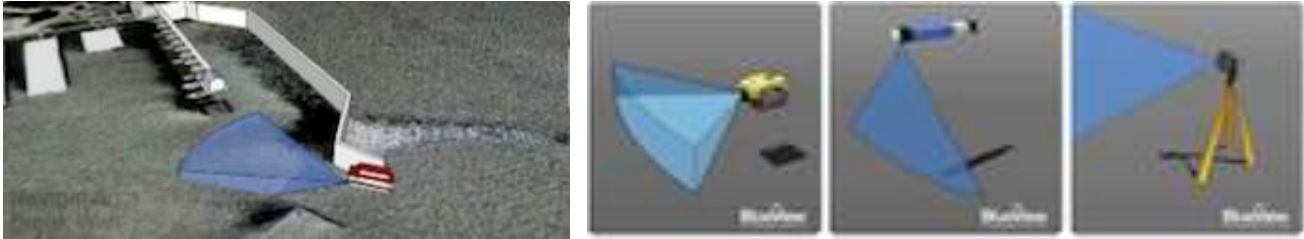


Blueview Client
List



More details:
www.blueview.com

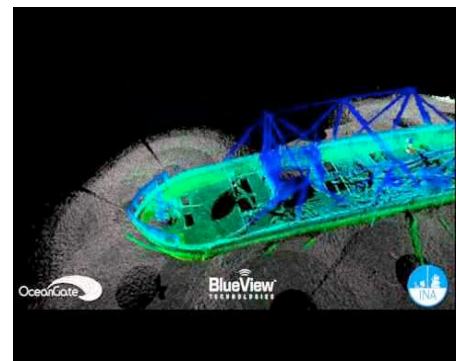
Customer satisfaction is our prime objective



Case Studies-

1. New BlueView 3D Scanner Gives Researchers Powerful Tool for Viewing the Past

Seattle, Washington, August 16, 2010 – The Institute of Nautical Archaeology (INA) partnered with OceanGate and BlueView Technologies on an expedition to create 3D imagery of the A.J. Goddard, a famous sternwheeler “ghost shipwreck” in Lake Laberge, Yukon Territory, Canada. Recently designated as a Yukon Historic site, the frontier-era steamer disappeared in a winter storm in October 1901. Researchers and “citizen scientists” used the breakthrough technology to create the first high-resolution, 3D digital model of the perfectly preserved steamboat. The survey, which would have taken years to complete, took only days employing the new BV5000 3D scanning system provided by BlueView.



2. BlueView Supports Inspection of Damaged Oil & Gas Structures in Gulf of Mexico



BlueView Technologies provided on site technical expertise in support of underwater inspections of structures damaged by hurricane Katrina, in the Gulf of Mexico. A BlueView sonar was used to provide real-time high-resolution imagery for navigation during ROV operations in low visibility waters. Integrated onboard a micro-ROV, BlueView Technologies’ latest 1.3 MHz imaging sonar provided high-quality images of complicated wreck environments to ROV operators flying around and inside of wreckage.

3. BlueView Supports the Rozalia Project for a Clean Ocean

Seattle, Washington, March 21, 2011 – BlueView Technologies, the world leader in compact acoustic imaging and measurement technology is supporting the Rozalia Project with its popular 2D Imaging Sonar. The Rozalia Project is a grass roots organization based in the northeastern USA and is dedicated to locating and removing marine debris, as well as working with groups to educate and inspire people on the effects of marine debris. The Rozalia Project uses state-of-the art underwater imaging technology, including BlueView 2D Imaging Sonar on a VideoRay ROV to hunt for marine debris on both the surface and the sea floor.



4. BlueView Selected with VideoRay to Protect US Ports

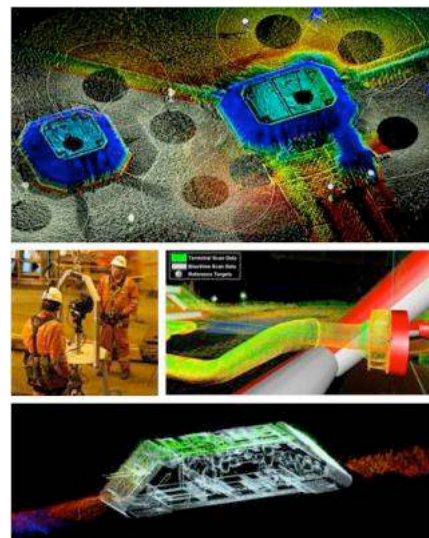


Seattle, Washington, July 14, 2011 BlueView Technologies has been selected to deliver its 2D Imaging Sonar systems to VideoRay as part of an advanced underwater technology system by the Combating Terrorism Technical Support Office (CTTSO) to modernize the United States Coast Guard's (USCG) Remotely Operated Vehicle (ROV) fleet.

VideoRay ROVs outfitted with BlueView 2D Imaging Sonar have been used to inspect ship hulls, piers, and bridges for explosive devices, help direct divers, recover evidence, and to inspect targets and areas before deploying divers.

5. Underwater Metrology – The Auk North project

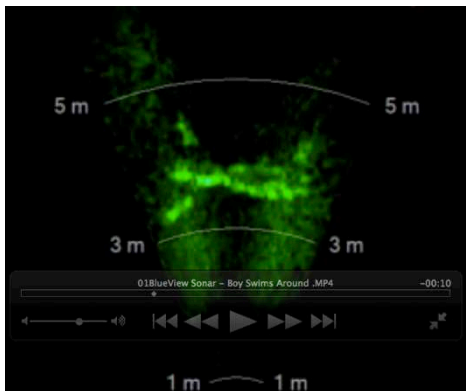
United Kingdom, April 9, 2012 -BlueView Technologies alongwith Seatronics, Technip and Star Net Geomatics have been involved in developing the BlueView 3D system for underwater metrology. The technology provided very precise measurements between the subsea connection flanges on two manifolds in the Auk North field development in UK. A new manifold was to be integrated into a field with an existing manifold. The spool piece required between the new and the existing manifold was required to be accurate to 70 mm and have alignment error of less than 1°. The location of the flanges within the structures caused additional issues from the access point of view. The BlueView BV5000-1350 system was successfully deployed by its offshore personnel to perform multiple scans around the subsea structures. Following the metrology survey, the spool piece was designed and fabricated. As part of the project's completion, Star Net surveyed the two-piece pipe section and brought the sections together to confirm the fabrication tolerances.



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6. BlueView 2D Imaging Sonar Improves Underwater Operations for the Cincinnati Police Department

Seattle, Washington, November 12, 2010 – BlueView Technologies delivered a P900-130 2D Imaging Sonar to the Cincinnati Police Department and recently completed training activities for eight Crime Scene Investigators - the police underwater search and recovery divers. BlueView's imaging sonar was integrated on to an ROV creating a highly portable underwater search, recovery and inspection system. BlueView's 2D Imaging Sonar is fully capable in the low and zero visibility conditions common throughout the area, enabling officers to conduct time sensitive underwater operations despite water clarity levels. Additionally, the ROV with the BlueView Imaging Sonar provides added protection for police divers by enabling underwater site inspections to identify hazards and potential



risks before deployment.

ASB in Pictures....



Diwali 2013 - Diwali celebration was a warm get-together with the staff, with everybody actively participating in the event. Traditional clothes, Colorful Rangolis and mouth watering delicacies made the event a memorable one.

Christmas 2013 – With a beautiful Christmas tree adorning the entrance, the ASB staff organized a “Secret Santa” game, wherein anonymous gifts were placed at the Christmas tree for every individual. The fun part was trying to discover each one’s secret Santa!



Independence day 2013 – The ASB family celebrated Independence Day together, with employees dressing up in the tricolor theme.

A photo-session was arranged in the office atrium for preserving the fond memories.

Hypack Update: We would like to inform our Hypack users that the much-awaited Hypack 2014 has been released. Hypack 2014 contains a number of exciting features like external web access, a combined hardware program and automatic matrix creation.