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**BioSonics' New Automated Monitoring Systems to Debut at OCEANS 2010**

*With a space age dashboard and legs like a robot dinosaur, this sonar system is bound to turn some heads.*

SEATTLE - BioSonics Inc., manufacturer of digital scientific echosounders, will unveil its latest generation of Automated Monitoring Systems at the OCEANS 2010 conference next month. This unique, sonar-based tracking and monitoring system centers around BioSonics focused split beam hydroacoustic technology for the underwater assessment of marine life and other targets of interest. BioSonics split beam transducers provide information on target location, size, swimming speed, and direction of travel.



CEO, Tim Acker, with the new BioSonics Diver-Adjustable Scanning Sonar Tripod Mount.

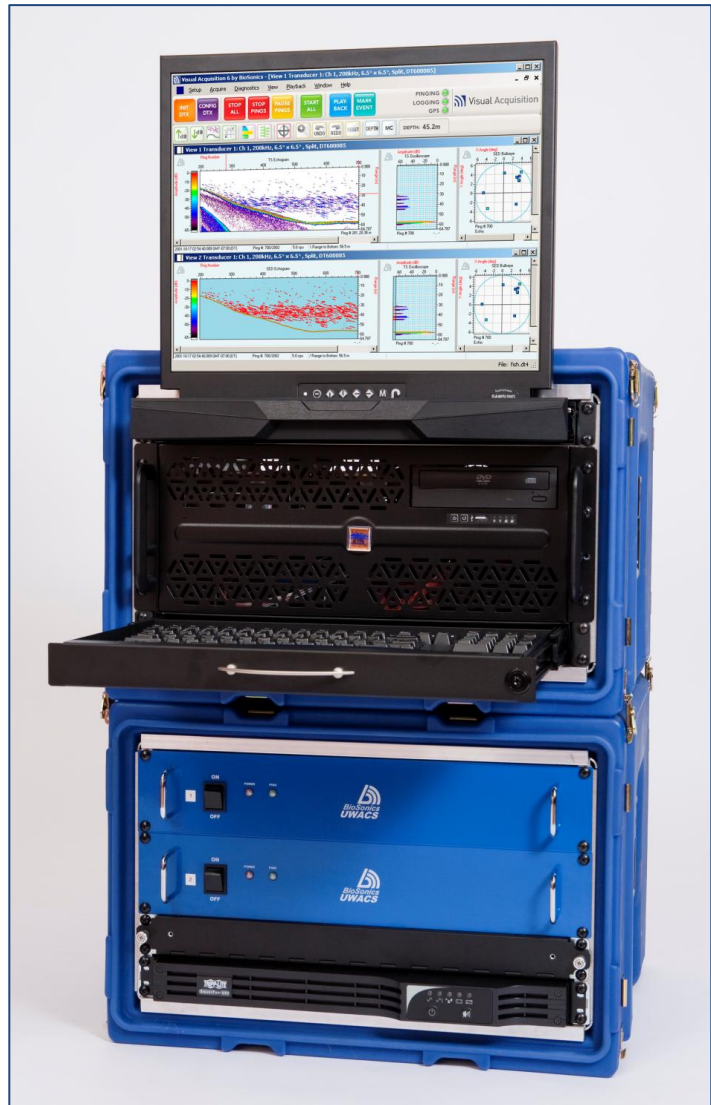
Utilizing an integrated orientation sensor and a dual-axis rotator, the resulting system can be programmed to scan and rotate at any desired angle or interval, thereby dramatically expanding the sampling volume. The new system design and features draw from BioSonics' extensive experience in deploying autonomous hydroacoustic monitoring systems in remote locations. An echosounder control unit provides automated data processing and storage as well as system "watchdog" functionality to monitor operational parameters including transducer aim, data storage capacity, power management, and echosounder performance. Remote communication capability allows the system to automatically transmit status reports, target track lists, and trouble alerts if an abnormality is detected. The software can automatically perform a soft shutdown and reboot if necessary to minimize downtime and maximize data collection and system stability.

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Packaging of BioSonics latest Automated Monitoring System has been completely retooled for autonomous, long-term installations. Surface electronics are rack-mounted in ruggedized, weatherproof housings and include an integrated ultra slim LCD monitor, pull-out key board, and a heavy duty power supply. Also available are heavy duty transducer tripod mounts to maintain accurate positioning of scanning sensors on any seafloor substrate. The sophisticated waterjet cut aluminum tripods are completely adjustable with multiple leveling devices, diver-friendly hardware grips, and over-sized feet.

Applications for this autonomous monitoring technology include assessment of fish passage at intakes, marine mammal behavioral interactions around marine and hydrokinetic (MHK) devices, and evaluating the effectiveness of deterrent devices. BioSonics provides their Automated Monitoring Systems as turn-key comprehensive solutions with the requisite technical services including consulting, installation, data processing, and reporting.



BioSonics Ruggedized Automated Monitoring System Control Station

### **About BioSonics**

BioSonics is a manufacturing, consulting, and engineering firm specializing in the application of hydroacoustic (sonar) technology for monitoring and assessment of aquatic biological resources. For over thirty years, BioSonics scientific echosounders have been used for accurate assessment of fish abundance, distribution and behavior. Versatile and rugged design allow for installation in every aquatic environment imaginable. BioSonics offers a complete range of technical services to meet the unique criteria of each client's project goals and site requirements. Survey design, installation, data collection, environmental monitoring, data processing, analysis and reporting are our specialties.

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