



BOT Press Release: December 14, 2004

REALTIME TELEMETRY FOR SEAHORSE™ PROFILER COMPLETED

Brooke Ocean Technology Ltd. (BOT) has teamed up with the *Monterey Bay Aquarium Research Institute (MBARI)* and the *Bedford Institute of Oceanography (BIO)* to develop a telemetry system for the *SeaHorse™* wave powered profiler. The Monterey Bay Aquarium Research Institute was founded in 1987 by David Packard, and is located in Moss Landing, California. In October, BOT delivered MBARI a SeaHorse™ wave powered profiler capable of transmitting real-time data to shore.

BOT can now supply the SeaHorse™ profiler with the “telemetry option”, which will transmit sensor data to a surface controller, where it can be interfaced to a variety of wireless communications technologies for delivery to a shore station or off-shore platform. The telemetry option is also available to existing clients who wish to upgrade their SeaHorse™ profiler. The commercialized SeaHorse™ telemetry system will consist of the following:

- Underwater Inductive Modem
- Surface Inductive Modem
- Inductive Cable Coupler
- Buoy mounted telemetry surface controller

SeaHorse™ is a self-contained profiling system that moves up and down a mooring wire, powered by the energy of the surface waves. The use of wave energy allows for long term deployments without the need for large amounts of battery power. Because SeaHorse™ can profile vertically through the water column on a regular basis, it eliminates the requirement for multiple sensors on the mooring.

BOT is a Canadian-based manufacturer of sensor platforms, cable handling systems and launch/recovery systems.

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