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Real-time cabled monitoring system

Houston based Lighthouse R & D Enterprises, Inc. has completed the final phase of their agreement with the Oman Ministry of Agriculture & Fisheries by installing a state-of-the-art real-time cabled marine monitoring system in the Gulf of Oman.

The unique system brings together technology and equipment associated with the marine telecommunication industry and conventional physical oceanographic monitoring equipment.

The Lighthouse Oceans Research Initiative (L.O.R.I.) system is powered from a shore station through a fiber optic cable that acts as the trunk line. As

a result, Lighthouse has full duplex capability with each of the eight (8) fully sensed, but modified for this unique application, Aanderaa RDCP 600 Doppler acoustic current meters. Each meter transmits current speed and direction, conductivity, pressure, temperature, oxygen, turbidity, salinity, and density at a programmable rate real-time to the Lighthouse office in Houston, Texas. Data is archived and reformatted then returned to scientists in Oman.

For further information on L.O.R.I. visit www.lighthousehouston.com or contact Debora Galmiche at dgalmiche@lighthousehouston.com.

