

Lighthouse works deeps

A newly installed fiber optic cable system is pushing the definition of deepwater deeper. Houston-based Lighthouse R & D Enterprises recently installed a physical oceanographic monitoring system that supports the collection of oxygen, turbidity, conductivity, pressure, density, temperature, current speed, current direction, and salinity in water depths to 4000m in the Gulf of Oman and the Arabian Sea. The company had already set up a monitoring system in 1300m water depth in the Gulf of Oman.

‘Our new deepwater design has opened up a new world for time-series ocean monitoring to an unprecedented 4000m of water. The Lighthouse design is not limited by power or bandwidth, which is necessary for the long-term support of ocean sensors. Being able to characterize one of the most dynamic areas of the world with real-time full duplex monitoring capability is extremely exciting,’ said Ken du Vall, Lighthouse president and COO.