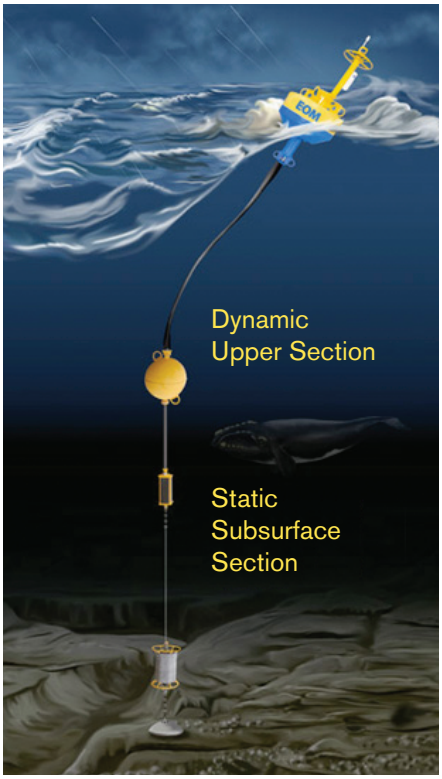
Products

Stable, reliable mooring platforms for real-time data and communication from subsurface instrumentation. The EOM mooring system solves the problem of high flow-noise-to-signal ratios in passive acoustic applications by using a robust mooring system that isolates the hydrophone from surface buoy motions.



The EOM Mooring System

The system can also be used in other applications to isolate surface motion from delicate instruments while providing surface generated power and real-time data communication.

- The mooring has a dynamic upper section consisting of the surface buoy and an electromechanical (E/M) stretch mooring hose, and a static subsurface section that provides a quiet mounting location for the hydrophone.
- The specialized hose can stretch two and a half times its original length, and serves as a highly effective and robust mechanical isolator between the surface buoy and the quiet lower mooring section. The hose has electrical conductors built into it to allow signals and power to be transmitted along its length.
- All mooring connections are bolted flanges to minimize other sources of mechanical noise. The result is a quiet electromechanical mooring that allows for a hydrophone to be held nearly stationary, while providing a real-time satellite telemetry link—in all sea states.

EOM Offshore L.L.C. produces and supports products based on mature oceanographic technology developed at the Woods Hole Oceanographic Institution. EOM Offshore's mission is to provide the highest attainable quality and reliability in ocean products and services.

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