ASL Floating New Wave Measurement Opportunities

ASL is pleased to announce that it has recently acquired three Mesemar PBM-15 Polyethylene buoys for a major metocean study we are undertaking for a client project. These buoys are designed to the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) recommendations and are made from high-quality rotomoulded virgin polyethylene, filled with closed-cell expanded polyurethane foam. These are very suitable for deep-water sites where extreme weather requires a more robust buoy for metocean data collection. They feature the ability to add an internal ballast weight for greater stability and high shock resistance.

Following their successful recovery in the spring of 2024, we plan to add these to our lease pool to offer to future clients, especially for measuring directional waves in offshore environments to support the development of offshore wind farms and other marine renewable energy projects where stable, reliable data collection over extended periods is required.

The PBM-15 provides a robust platform suited to harsh conditions offshore or a stable platform in more protected waterways. This platform can easily be configured to meet client monitoring needs and client-customized instrument packages. These buoys are intended to expand our existing shallow-water wave monitoring services to include deep-water directional wave studies for site assessment, numerical modeling studies, engineering design criteria and extremal analysis, and other applications. Examples of data collection include, but are not limited to, directional waves, wind, barometric pressure, and custom solutions. *More information on these buoys is available here:* https://cdn.mesemar.com/wp-content/uploads/PBM-15-25_Polyethylene-Buoys.pdf

Figure 1. Mesemar PBM-15 Polyethylene buoy in red.

Figure 2. ASL has received three yellow buoys (the standard cautionary buoy colour) and are instrumented with a yellow flashing light to conform to the standards and guidelines in the Canadian Aids to Navigation System (TP 968).

December 2023

ASL Environmental Sciences
#1-6703 Rajpur Place
Saanichton, BC
V8M1Z5 Canada

Phone: +1 250 656-0177
Email: asl@aslenv.com
Website: aslenv.com