



ENVIRONMENTAL SYSTEMS™

COASTAL-HM

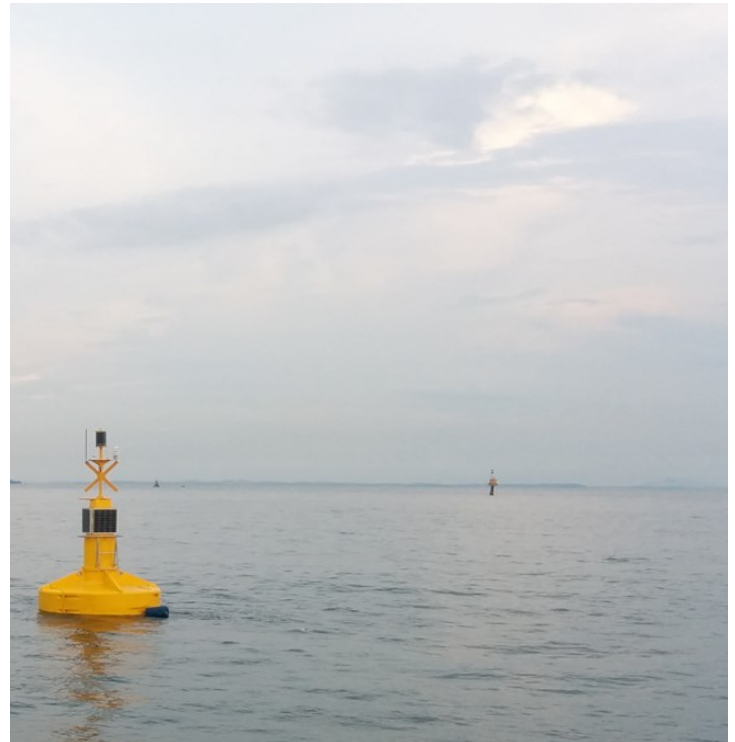
Hydrographic-Meteorological

Overview

The Pentair COASTAL-HM (Hydro-Met) is the standard for hydrographic or meteorological applications such as ports and harbours (as an Aide to Navigation AtoN) or identifying hazardous coastal conditions. With the integrated AIS AtoN transceiver the system broadcasts all data to every passenger vessel and cargo ship in the area. The COASTAL-HM can be fitted with instrumentation to measure the complete set of AtoN parameters.

The COASTAL-HM is typically supplied with the following configuration and available to measure these parameters:

- Position, Wind Speed, Gust & Direction, Air & Water Temperature, Relative Humidity, Dew Point, Air Pressure (inc. Tendency), Horizontal Visibility, Water Level (inc. Tide and trend), Surface Current Speed & Direction, Profile Current Speed & Direction, Wave Height, Period and Direction, Swell Height, Period & Direction, Sea State, Precipitation, Salinity and Ice.
- 2.6m coastal buoy platform
- Site specific Naval Architect designed mooring system
- Integrated St Andrews Cross navigation mark, Navigation Beacon (up to 5 Nautical Miles), Radar Reflector and GPS position tracking
- Integrated telemetry system with battery backed solar power supply. Telemetry system includes AtoN transceiver and optional communications link for remote configuration
- Integration into local Vessel Tracking System (VTS) or access via online web portal (Envault)



The Pentair COASTAL-HM fitted with real time wave measurement, current profiling and meteorological instruments assisting navigation in Straits of Singapore

Bottom mounted system for real time waves, current profiling, swell and tide measurements, with diverless retrieval system



Specialist Expertise: We design innovative environmental and water monitoring solutions. Our specialist categories include Coastal Solutions, Flood Solutions, Irrigation Modernization, Hydrographic and Water Quality Monitoring, Water Infrastructure monitoring, Online Data Access (ENVAULT) and Telemetry (ENVOY).

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