



**ENVIRONMENTAL SYSTEMS™**

# COASTAL-OS

## Oil Slick

### Overview

The Pentair COASTAL-OS (Oil-Slick) provides early warning of oil spills that may result in environmental damage or may impact industries that extract coastal water. Environment Agencies, Oil producers, or shipping operators may benefit from early detection of leaks to lead the clean-up effort, while industries that extract seawater from the coastal zone (such as desalination plants) may be able to shut down or divert intake systems prior to the oil damaging valuable membranes in the plant.

A Pentair COASTAL-OS is fitted with dual, independent measurement systems to offer the most robust detection system available.

A COASTAL-OS includes:

- A non-contact optical sensor that detects oil spills based on the reflection spectrum of the surface. With the on-board light source the instrument operates in all light and weather conditions.
- An in-situ optical sensor that utilizes UV fluorescence. The instrument is mounted at the waterline on the buoy to ensure the upper surface is monitored.

The dual sensors provide reliable detection in all weather conditions.

The COASTAL-OS is typically supplied with the following configuration:

- 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 SCADA or access via online web portal (Envault) with SMS alarming



Minimize the damage from oil spills or leaks with an early warning 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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