



Smart Boom Technology

Boom Guard Monitoring Buoy

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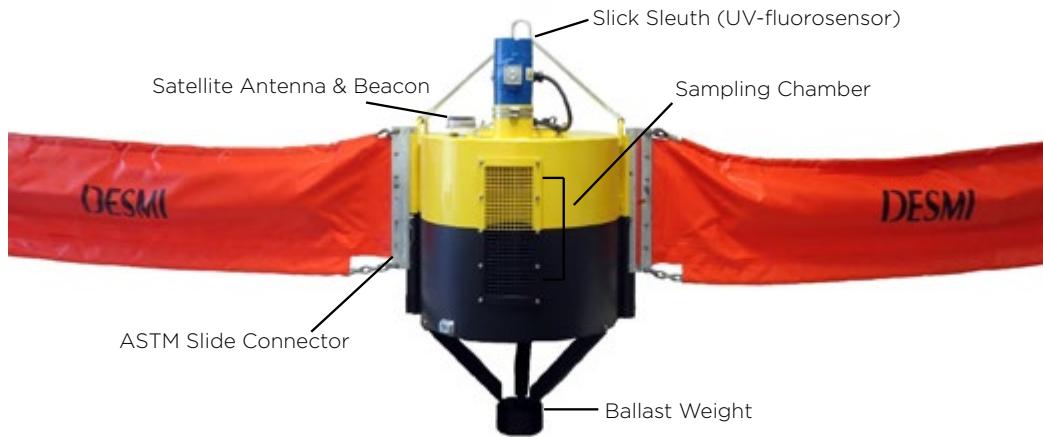


InterOcean Systems, LLC

Leader in Ocean Technology Since 1946

Smart Boom

- Remote oil spill monitoring & alerts
- Boom integrity monitoring & alerts
- 24/7/365 awareness in all conditions
- Reduces need for boats, aircraft and personnel to monitor booms
- For use offshore, near-shore, terminals, inland waterways
- anywhere there's value in remote real-time monitoring



InterOcean Systems and DESMI A/S have teamed up to develop the “Smart Boom” monitoring system. The system combines proven DESMI oil spill containment boom with the Boom Guard Monitoring Buoy, an oil pollution monitoring device used to monitor for the presence of oil pollution within the boom containment area. If oil pollution is detected, the buoy transmits an alert via Iridium satellite in real time. The buoy also monitors location and heading and should the Smart Boom drift, the buoy reports its current location and heading, transmits an alert, and continues to transmit hourly allowing users to locate and recover the boom and buoy. The buoy also transmits a daily report notifying users of the status of all on-board sensors.

Oil booms are routinely used to capture and coagulate oil for mechanical recovery or in-situ burning – protecting sensitive environments and shorelines. For a large spill hundreds of miles of boom can be deployed, requiring resource-intensive observation using aircraft and/or vessel-based personnel. This is time consuming, costly, weather dependent and allows for only very periodic visibility of booms’ condition. Smart Boom offers a smarter solution by providing around-the-clock monitoring in all weather and sea-state conditions, thereby reducing costs associated with personnel, vessels and aircraft in delivering all of the benefits of real-time awareness and alerts.



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