

AANDERAA NEWSFLASH

Underway surface water system installed on former around-the-world race yacht to measure the effects of shipping

In the [EU Sheba project](#) environmental effects of shipping is measured in the Baltic Sea region from the sail yacht, [Hrimfare](#), which is a former long distance race yacht, converted to do science. The boat is packed with equipment to measure and collect samples in the atmosphere and in the water as it crosses ship lanes.

Yesterday sensors from Aanderaa (Oxygen, Salinity, Temperature, pH, pCO₂) and [Chelsea Technologies Group Ltd](#) was installed to continuously measure in the surface water as the boat is sailing. The sensor installation is done on a stainless steel poole attached in the bow of the yacht. Data from the sensors and position from the ships GPS is logged every 20s by a SmartGuard data logger.

The installation of the entire system took about 2 hours and was facilitated by the flexibility of the SmartGuard logger to simultaneously collect information from a wide spectrum of sensors. Hrimfare will continue the data collection as it is heading for the island Gotland to take part in Swedens biggest political meeting place, the yearly [Almedalen](#) week. The intention there is to increase the awareness of the Baltic Sea environment and the work that is done in this and other projects.



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