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Marine Spatial Planning

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Maintaining the narrow navigational channels through the shallow tidal flats of the Wadden Sea in the Netherlands is a constant battle, due to the high rate of sediment deposition. Nortek's Signature VM instrumentation has proved to be a valuable weapon in this fight, providing vital information on particle density and current flows through the water layers. Data gathered by the Signature VM provided accurate insight into the flow velocities over the water column at the channel transects and also showed the continuously depth-varying sediment concentrations in the water over the tidal cycle. This knowledge aids understanding of the morphological system and gives direction in the efficiency of future mitigation measures to keep the navigation channel open.

inquiry@nortekgroup.com | www.nortekgroup.com