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This illustration is a reconstruction of a live scenario from SEP 2024, where the ship Adolf Jensen ran aground near Nanortalik in South Greenland and sank with 20 tons of diesel oil on board.

## OPERATING THE FLEXIBLE FILTERING ENVIRONMENTAL PROTECTION BARGE

In the event of an oil pollution scenario, caused by e.g. a collision, grounding or the like, immediate action must be taken by deploying oil booms to prevent the oil from spreading and/or reaching the coast.

Oil booms can be deployed by larger or smaller vessels, depending on weather conditions and availability, and held in a static position with anchors, or moored to fixed points on shore. The oil booms may also be held in dynamic position by means of vessels. Oil booms are affected by wind, current and sea, and the oil boom will most often form an arch / curve where the oil accumulates.

The Flexible Filtering Environmental Protection Barges can be towed to the oil boom from the leeward side of the boom and with oil skimmers (regardless of type) collect the oil from the surface on the windward side of the oil boom.

The barges' on-site filtration capability enables collection of large quantities of oil-mixed water from the surface and concentration of the oil in the barges, which enable the limited tank capacity available to be used for storage and transport of oil – and not large quantities of water!