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National Centre for Testing of oil spill response equipment

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The Norwegian Coastal Administration offers realistic testing conditions in a basin, with modern facilities all under the same roof.



NORWEGIAN COASTAL
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Our facilities

Testing new types of oil spill response equipment is an important part of the Norwegian Coastal Administration's work to further develop technology and equipment to combat acute pollution.

The National Centre for Testing of oil spill response equipment offers Norwegian and foreign equipment suppliers, research institutions and other parties involved in preparedness against acute pollution the opportunity to test equipment or train their operators.

Private or public sector buyers may also use the centre to evaluate materials prior to procurement.



A modern laboratory makes it possible to measure the water content, viscosity and density of oil.

This is what we offer

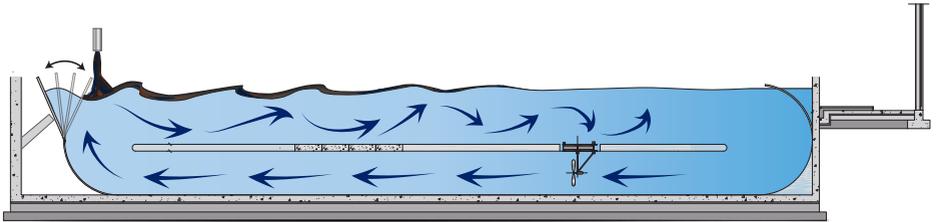
- Indoor salt-water basin where equipment can be tested in realistic conditions, as waves and current can be applied to the basin.
- The basin allows the full-scale testing of the capacity and stability of skimmers.
- Possibilities for testing oil booms with respect to flexibility, stability and ability to retain oil in varying sea conditions and current speeds.
- Laboratory for measuring water content, viscosity and density of oil.
- Central location in Horten in Vestfold, around 100 km south of Oslo.
- The centre is also in the immediate vicinity of the Oslofjord.

Contact us for more information via the Norwegian Coastal Administration's website testhall@kystverket.no.



The National Centre for Testing of oil spill response equipment also has a conference room available directly adjacent to the testing basin. Here you also have good access to technical aids.

Technical data



Length	30 m
Width	7 m
Depth (total)	4.4 m*
Depth above double bottom (max)	2.4 m
Practical depth above double bottom	approx. 1.7 m
Water volume	approx. 800 m ³
Water current speed (max)	approx. 3- 4 knots
Wave height (max)	approx. 0.6 m

* The elements of the double bottom can be removed to create an opening of 4x7 metres so that the total depth of the basin can be made available.





Test of skimmers

Full-size skimmers can be tested in the basin under controllable sea conditions. Different parameters can be varied and measured constantly during testing.

Variants

- Oil viscosity
- Oil emulsion
- Oil quantity
- Waves
- Current

Measurement results

- Volume removed (oil and water)
- Quantity of oil removed
- Quantity of water in the oil emulsion
- Removal capacity (m³ per hour)
- Characteristics of sea and current



Test of oil booms

Small oil booms of full size and scale models of larger oil booms can be tested in the basin under controllable sea conditions. Several parameters can be varied and measured constantly during the tests.

Variants

- Oil viscosity
- Oil emulsion
- Oil quantity
- Waves
- Current

Measurement results

- Current speed for oil loss under the boom
- Current pattern
- Drag speed
- Characteristics of the waves and current

**The National Centre for Testing of
oil spill response equipment**

is located at
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