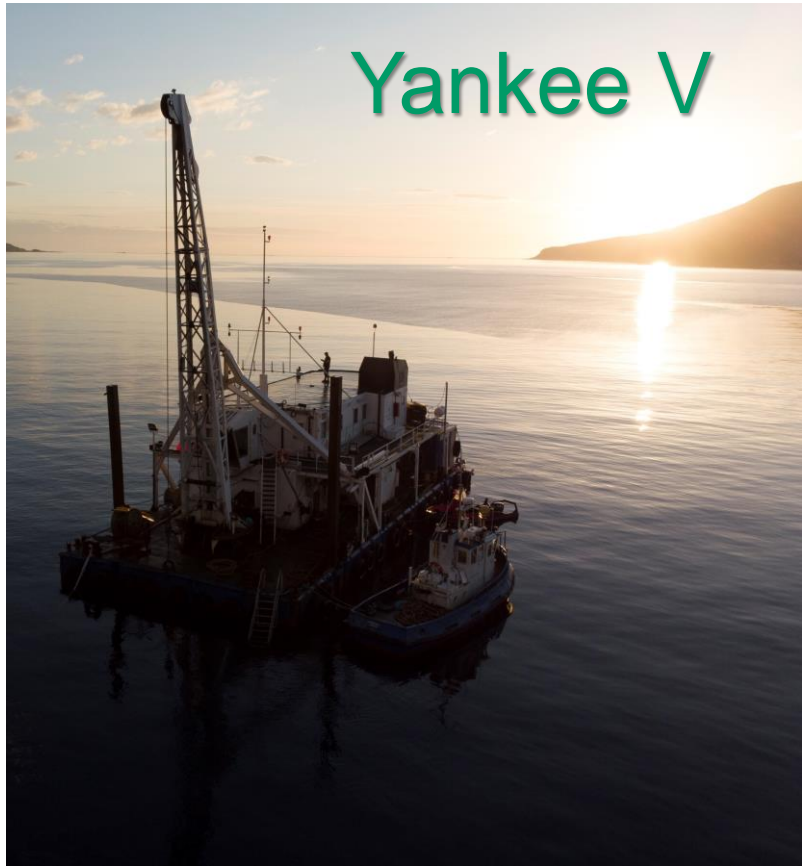
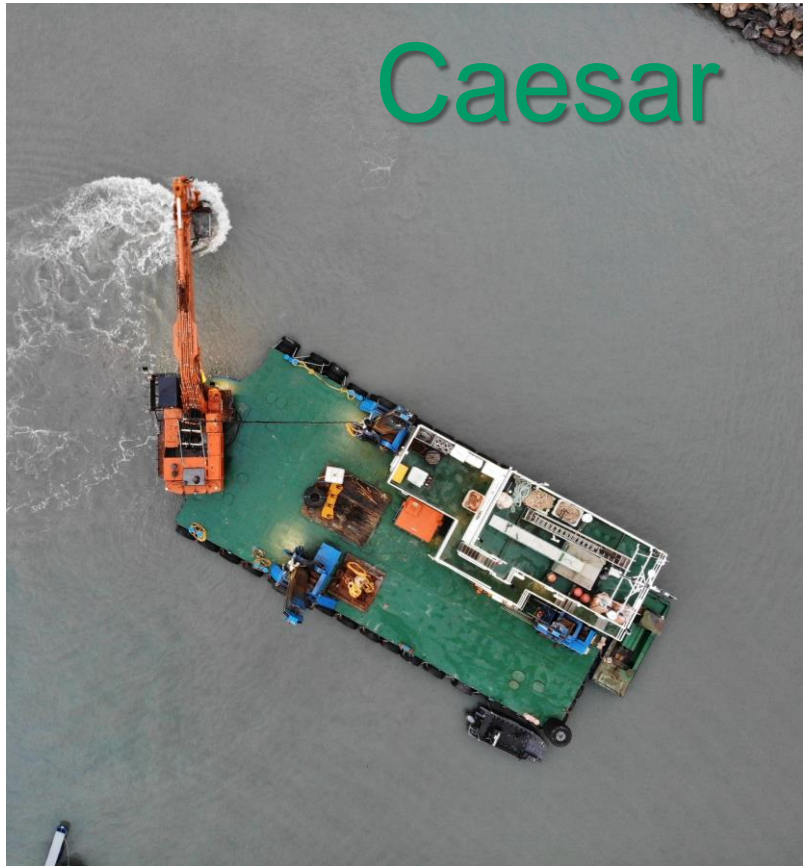


What it's like to be a UW-Contractor

Challenges and expectations

Malin Moldeklev Meinhold, Construction Manager





Fleet

Services

- Dredging (Mudring/ UV-graving)
- UW Blasting
- UW Construction (Bridge Foundation f.eks)
- Environmental projects
- Inspections
- Cables
- Diving
- Everything you can do as a land constructor, we can do, under water



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Typical terms from the state administrator and client

Monitoring/ documentation:

- Online turbidity monitoring

Measures against particle scattering:

- Silt curtain / silt skirt
- Dredging with closed environmental grab
- Dredging of top layer

Measures against pressure waves and noise pollution (and particle scattering):

- Air curtain / bubble curtain

Call us to discuss the terms!



Turbidity Monitoring

Challenges:

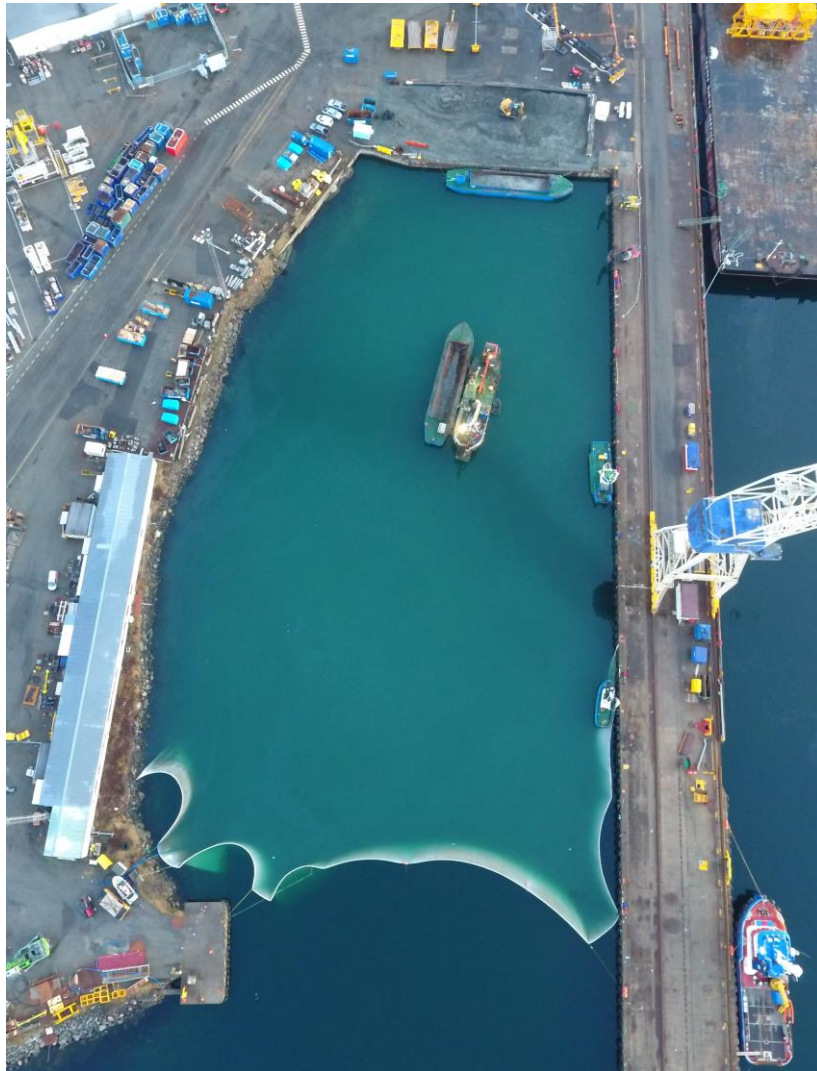
- Location of the device
- Currents
- Stop working
- Stop production



Silt Curtain

Works if:

- No current
- No boat traffic in and out of the project area
- Short distance



Rosenberg WorleyParson, Stavanger



Karmsundet, Aibel, Haugesund



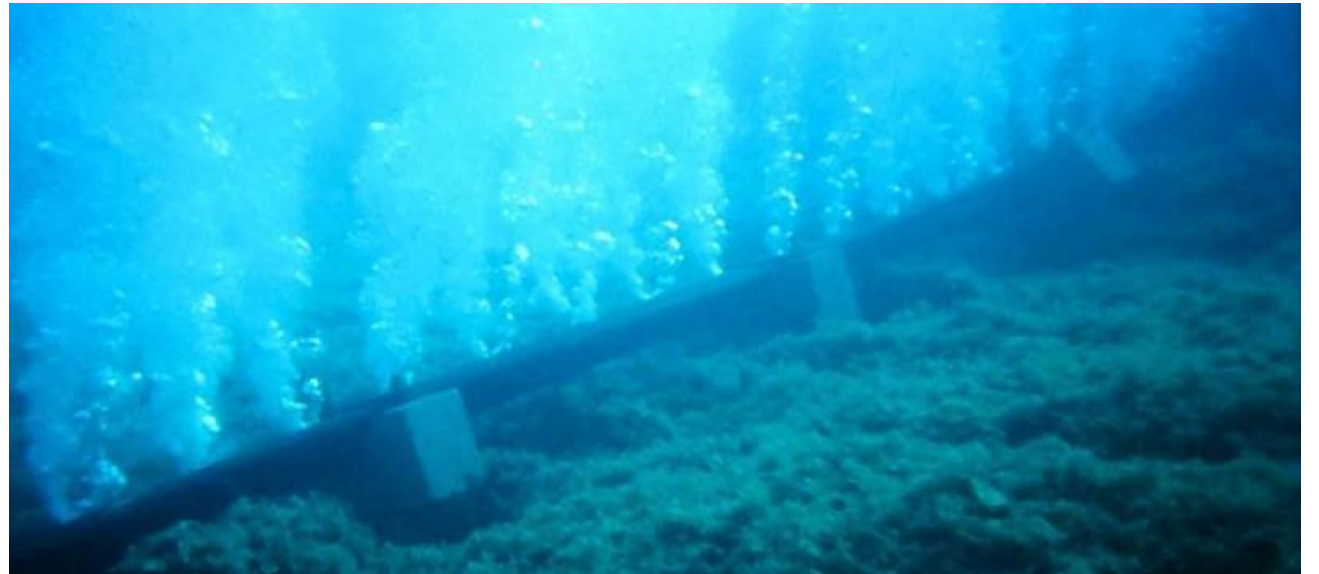
Air curtain



Kværner - Stord 2019

Use for:

- Protection during blasting
- Temporary stop particles from spreading



Hydrotechnik Lübeck GmbH

Environmental Grab

Works if:

- The seabed is flat
- The masses are soft
- No or low content of stone in the masses



Dredging top layer, 10-30 cm

Challenges:

- Equipment is too big
- The operator can not see what he is doing.

Realistic minimum layer:

- Environmental grab, 30cm
- Normal bucket, 50cm



Coffee cup, about 12cm



Human, about 1.90m

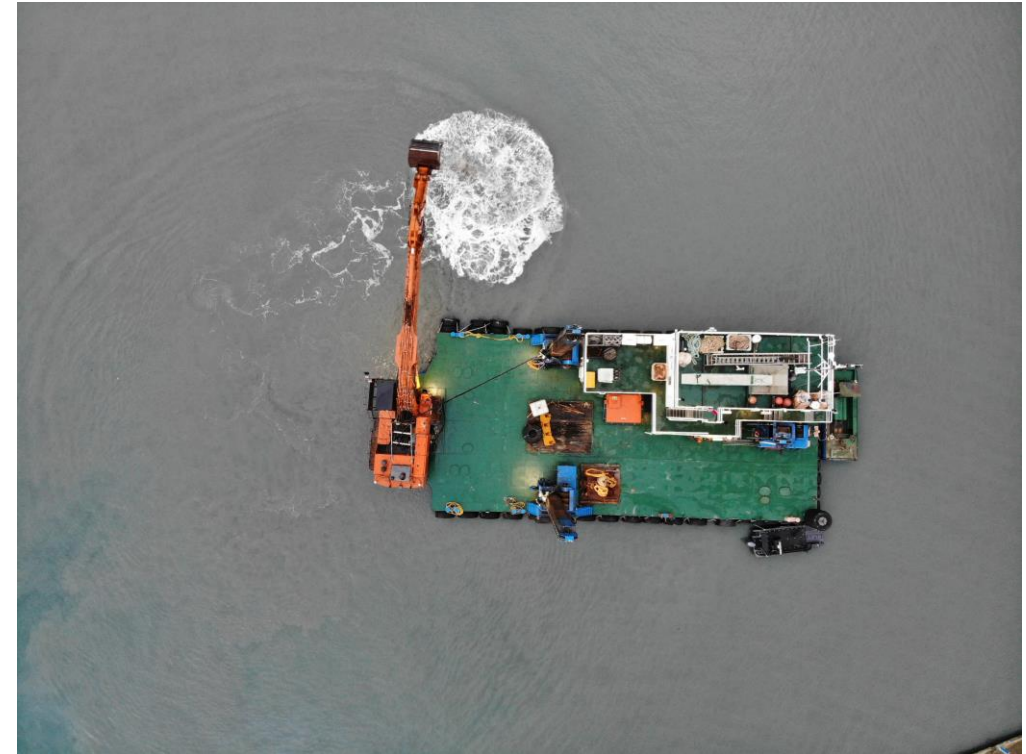
Other challenges

Price and time:

- Double for UW project
- If divers is needed, quadruple
- The deeper the project, the longer time and cost

Rules and laws:

- The Working Environment Act sees us as a land contractor
- The Norwegian Maritime Directorate sees us as a shipping company
- Double the rules and laws we must follow...



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Don't hesitate to contact us!

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