



Fjord CleanUP - Goals & Strategy

The Fjord CleanUP is non-profit environmental organisation supporting the restoration and protection of the Inner Oslo Fjords natural marine environment. We organise a weekly voluntary cleaning events, where we provide volunteers with stand up paddle boards, kayaks, diving equipment and all the gear necessary to clean marine pollution out of the fjord.



Our Goals

- 1.Reduce the amount of littering into the Oslo Fjord
- 2.Restore the fjord to a state that is clear of rubbish and pollutants
- 3.Revitalise the eco system, encouraging the return of marine life

Our Strategy

Step 1 - Reduce (2021)

“Be able to provide all of our volunteers with free diving and scuba diving training and equipment, so that we can expand our cleaning efforts to encompass the whole inner fjord, and do so in a safe manner - and to be able to clean all year round, whether it is snow, rain, or sun!”

How?

- Facilitate 2x events weekly (every Monday) with up to 60 volunteers.
- Clean out over 10 tonnes of rubbish from the Inner Fjord
- Attain a Blue Eye Drone to help us systematically map the seafloor to find places that need cleaning.
- Create a digital map to show where we've cleaned, where we are currently cleaning and where we need to clean.

Equipment that will help us achieve this - and more!

- 10x sets scuba equipment (5 sets in each location): **440000NOK**
- Dive training for 100 of our volunteers: **400.000NOK**
- 20x sets of free diving equipment (10 in each location): **140.000NOK**
- Blue Eye under water drone: **100.000NOK**

Estimated required funding for stage 1: **Approx. 1.2 Million Krona**



Step 2 - Restoration (2022)

“Acquire a customised cleaning boat, an underwater drone, and automated marine rubbish bins (clean sea solutions) that we can strategically place at rubbish hot spots & intermittently empty - say once per week. This will allow us to map the fjord and to target specific dirty locations (even if it is deep) and to make sure there are systems in place, catching rubbish even if we are not physically cleaning.”

How?

Acquire specialty equipment / technology:

1. Specially designed cleaning boat: **500.000NOK**
2. 3x Cleaning pods placed in rubbish hot spots: **300.000NOK ea.**
3. 3x Water Monitoring stations: **100.000NOK ea.**
4. Cleaning Drone: **500.000NOK**

Estimated required funding for stage 2: approx. **2. Million Krona**



Step 3 - Revitalisation (2023)

“Strategically place artificial reefs, work for protected areas for marine life, and to implement natural cleaning solutions, like growing seaweed and mussels. This will provide marine life with a place to thrive, while at the same time, filter toxins out of the environment.”

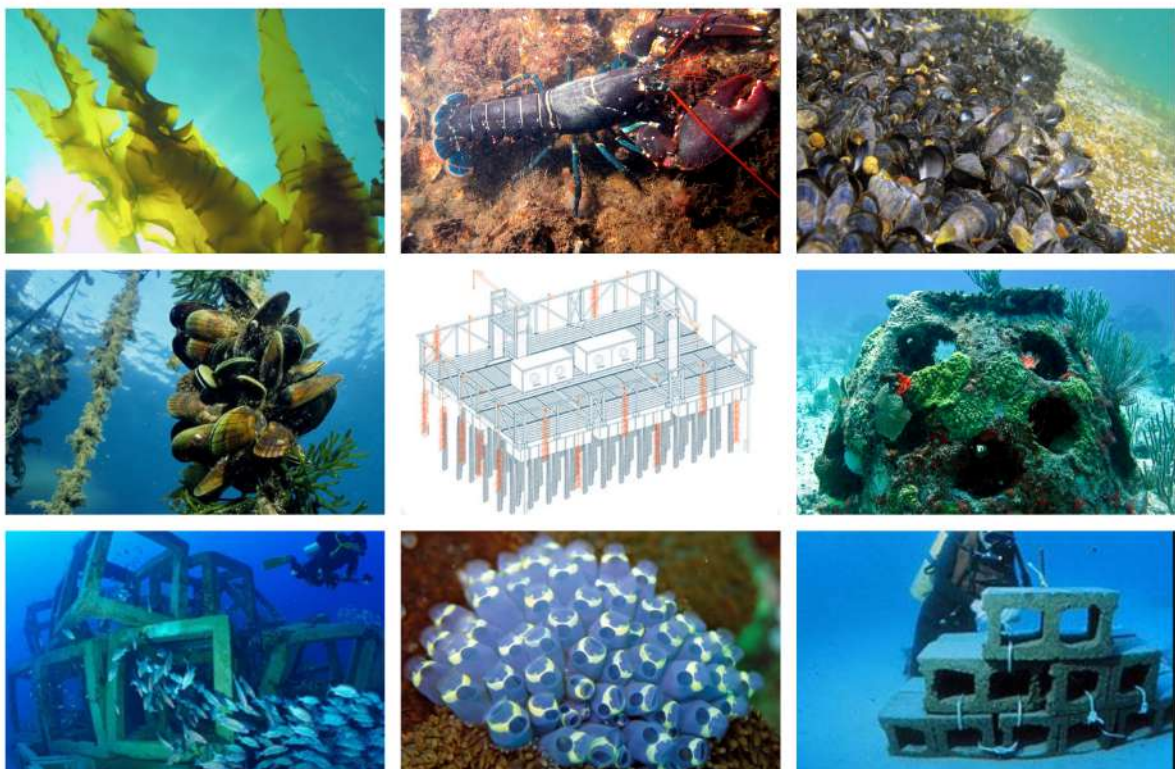
How?

Acquire specialty equipment designed to grow, cultivate and protect marine life.

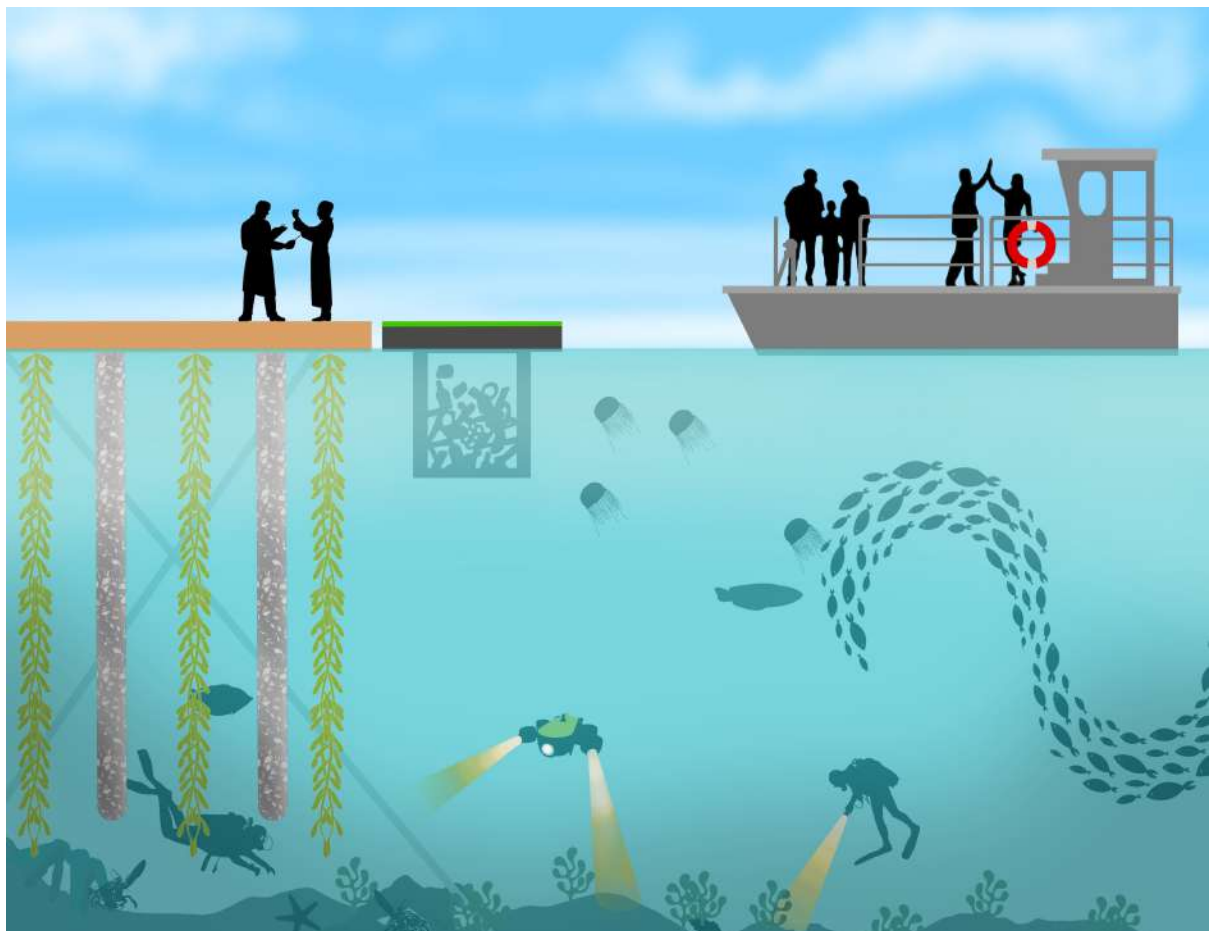
- Specially 3x designed sea farming platform: **400.000NOK**
- Lobster houses and artificial reefs: free from Marin Reparatørene
- Moorings: **100.000NOK**
- Installation: **100.000NOK**
- Work boat: **500.000NOK**

Estimated required funding for stage 3: **Approx. 2 Million Krona**

The aim is to create “green zones” which in essence are small pockets of thriving eco systems, that are protected and maintained by the FCU. It is our hope that the marine life from these zones will spread out and repopulate the entire Inner Oslo Fjord. If we can show everyone that it is possible to bring back life to the most barren and polluted waters in Norway then we can do it everywhere! - now, its time to clean!



Note: all of this will be happening simultaneously with lobbying efforts aim to convince industry and government to move away from single use plastics, unnecessary packaging, better marine rubbish management, fishing bans, and lobster protected areas, so that the rubbish does not end up in the fjord in the first place. It is important that once we get a return of marine life it is not immediately threatened by overfishing. Our main partners that work with these things are Marin Reparatørene (Lobster protected areas and fishing bans) and Hold Norge Rent (changing industry practices to more sustainable alternatives) - it is all about team work!



Can you support us in any one of these stages? Please don't hesitate to get in touch.

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- Thanks from the Fjord CleanUP team!

Links and suppliers of referenced equipment:

Blue Eye Drone:

[https://www.blueyerobotics.com/shop?
p=BlueeyePro&q=1&gclid=Cj0KCQjwyZmEBhCpARIsALizmnLDIH-
Wjs2BpsMlwQCFNbyx2LbUu89B8NAzSm953qh9LR59uQqLxS4aArfVEALw_
wcB](https://www.blueyerobotics.com/shop?p=BlueeyePro&q=1&gclid=Cj0KCQjwyZmEBhCpARIsALizmnLDIH-Wjs2BpsMlwQCFNbyx2LbUu89B8NAzSm953qh9LR59uQqLxS4aArfVEALw_wcB)

Sea Farming Platform: [https://www.havhøst.dk/boelgemarken/?
fbclid=IwAR3JplXTQZ2n89DJmjgO_2TNvLbE7ZwkCDKwPy_OKGGBFtPRU
Lto_-USE8](https://www.havhøst.dk/boelgemarken/?fbclid=IwAR3JplXTQZ2n89DJmjgO_2TNvLbE7ZwkCDKwPy_OKGGBFtPRULto_-USE8)

Cleaning and sea farming boat:

<https://waterwitch.com>

Free Diving Sets:

<https://www.frivannsliv.no/products/komplett-utsyrspakke-fridykking>

Scuba Gear:

[https://fue.no/dykkerutstyr/utstyrspakker/komplett-singel/fueno-topp-til-ta-
fornuft.html#/](https://fue.no/dykkerutstyr/utstyrspakker/komplett-singel/fueno-topp-til-ta-fornuft.html#/)

Automated cleaning drone & Automated Cleaning pod:

<https://www.cleanseasolutions.no>

Dive training:

<https://www.prodykkoslo.no/pages/grunnkurs>

Water Monitoring station: [https://www.fugro.com/about-fugro/our-
expertise/technology/seawatch-metocean-buoys-and-sensors](https://www.fugro.com/about-fugro/our-expertise/technology/seawatch-metocean-buoys-and-sensors)

Lobster houses and artificial reefs:

supplied by Marin Reparatorene

Partner links:

Marin Reparatørene: <https://marinrep.no>

Hold Norge Rent: <https://holdnorerent.no>