



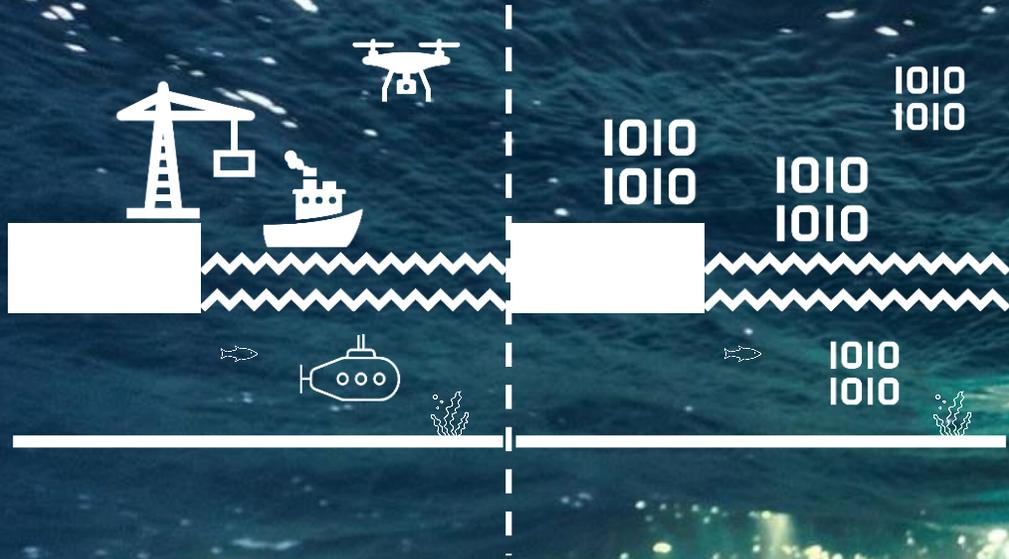
OCEAN AUTONOMY CLUSTER

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Accelerates autonomous technology for a better tomorrow

Hitra som knutepunkt for havromsteknologi

Our position and focus



About

The Ocean Autonomy Cluster is Norway's leading hub for expertise on ocean autonomy. Building on a proud maritime history, today's cutting-edge research, innovative companies, and a rapidly growing market for independent solutions, the cluster can provide a unique climate for collaborations and knowledge development.

We strongly believe autonomous systems will become essential in addressing many challenges in the years ahead, such as traffic congestion, climate emissions, and safety challenges at sea when facing increasing demands in logistics.

With more than 70 members from Norway and abroad, we aim to build strong networks and collaboration towards a common goal for a sustainable new course of maritime technology.



Our location



The Team



Frode Halvorsen
Cluster manager



Linda Hald
EU Advisor



Aida Angell
Project manager



Birgit Thorsen
Communication

Transport

Havbruk

Energi

Sikkerhet og beredskap



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MARITIM

Har startet ubemannet fraktrute over Trondheimsfjorden

Maritime Robotics har startet fraktrute mellom Vanvikan og Trondheim sentrum med en ubemannet båt. Et skritt på vei mot full autonomi, sier selskapet.





Torghatten skal drive selvgående ferje i Stockholm

Torghatten og Trondheim-selskapet Zeabuz lanserer en ny ferjelinje midt i Stockholm fra 2023.



Oppstart 8. juni

Aker BioMarin

Bruk av Maritime Robotics AUV

Fra 10 tonn fuel pr dag til 100 liter under letefase

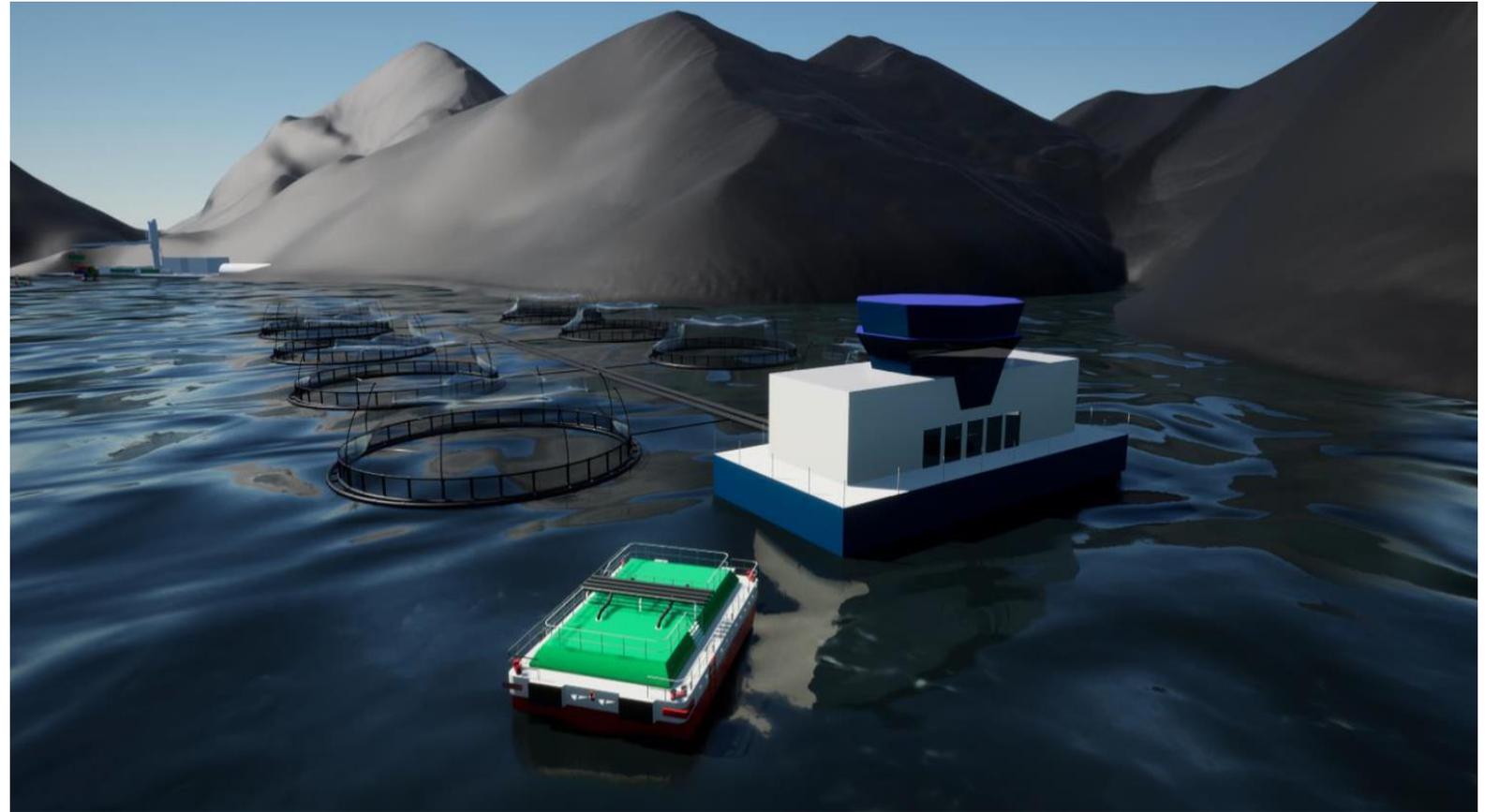
En robot fra Trondheim skal finne krill for Kjell Inge Røkke

En selvkjørende båt utviklet og bygd av trondheimsbedriften Maritime Robotics skal lete etter krill i Sørishavet for Kjell Inge Røkkes Aker Biomarine.



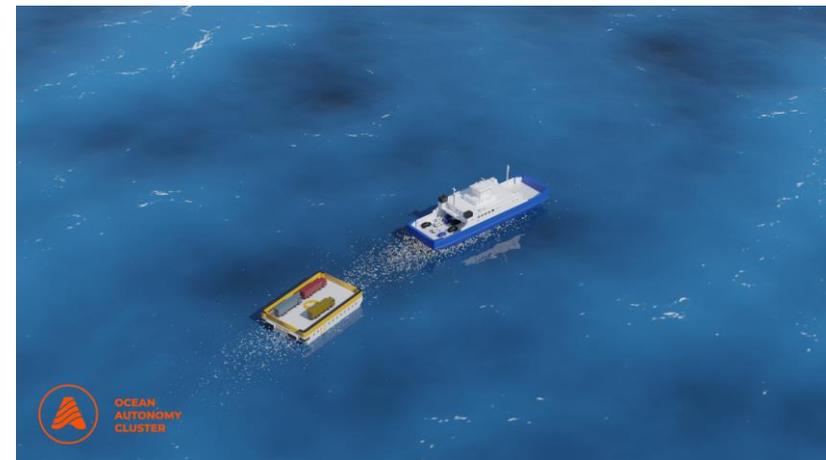
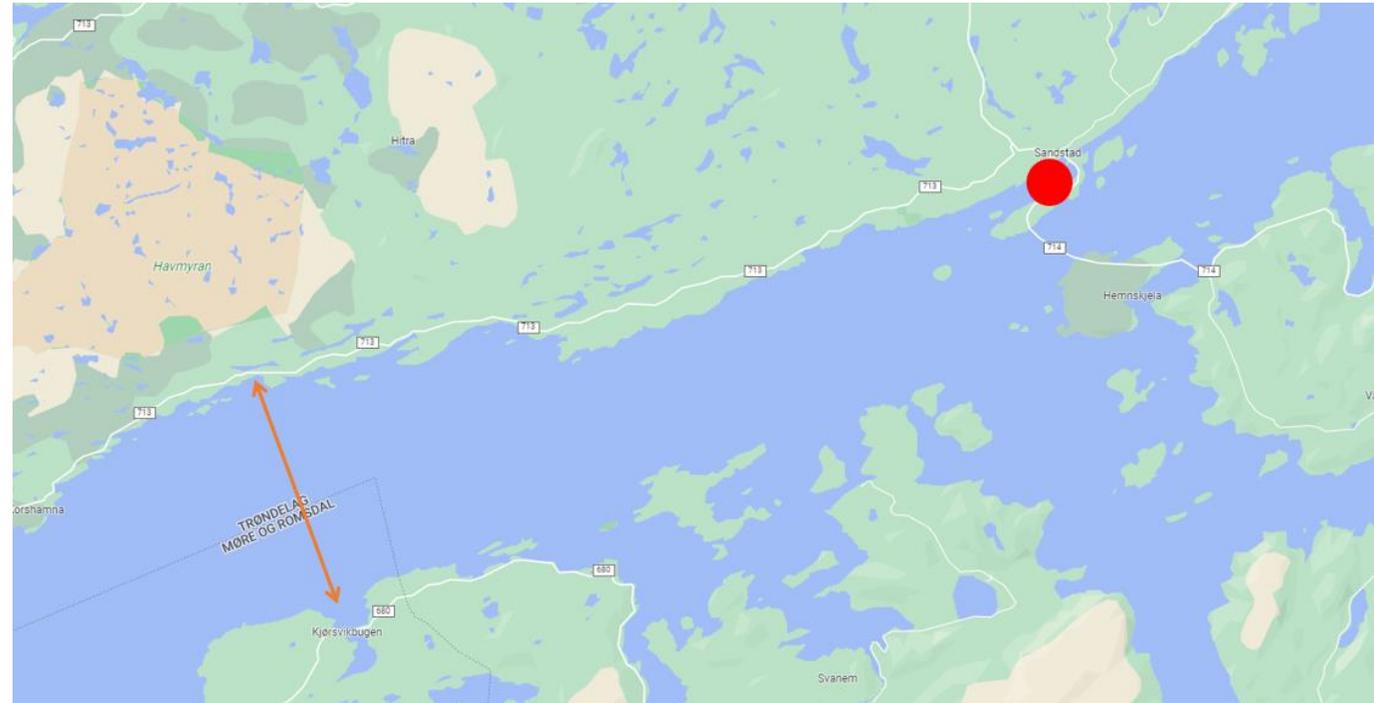
FAST – Fleksibel Autonom Smart Transport

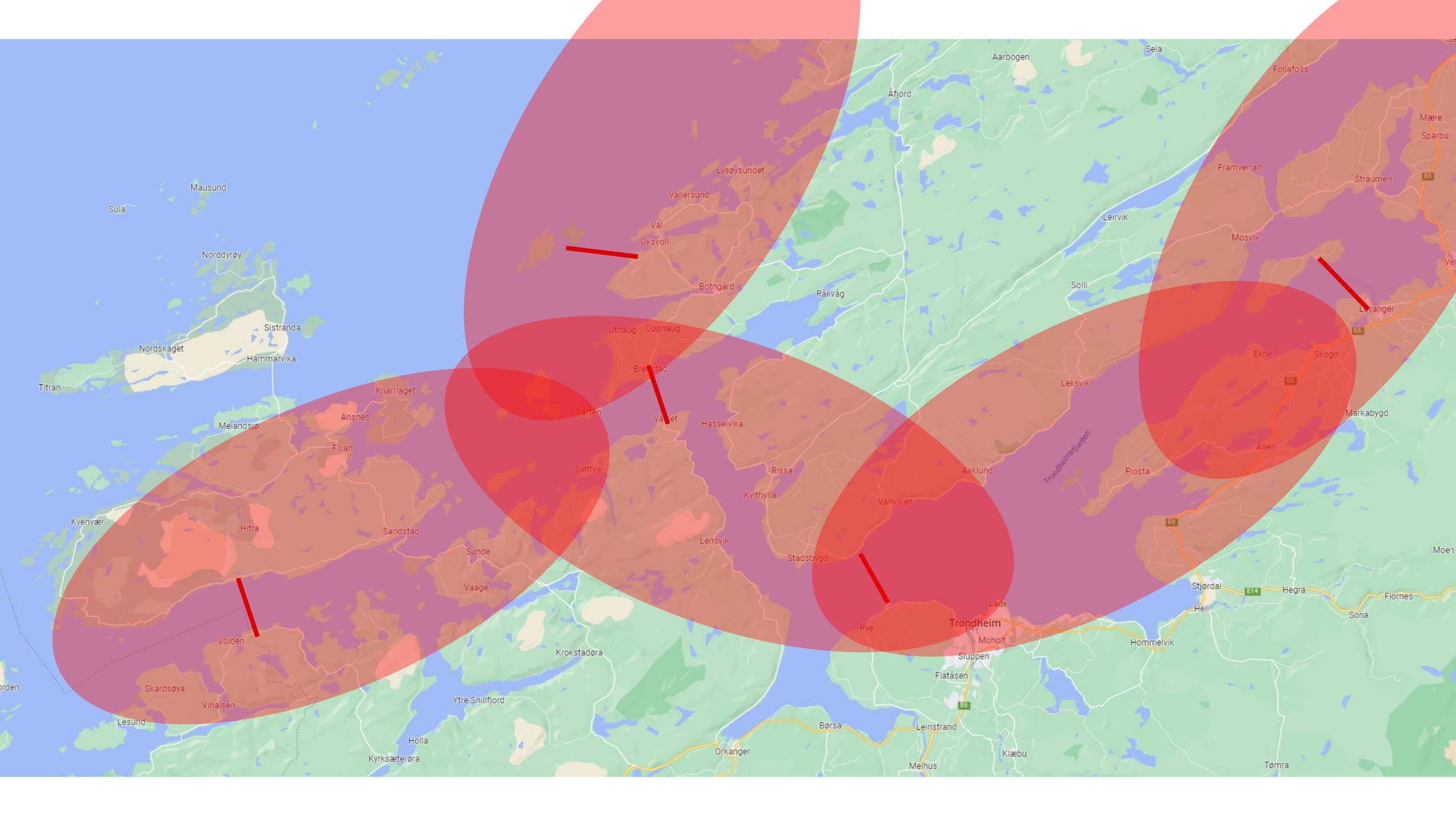
Usecase : Distribusjon av energi

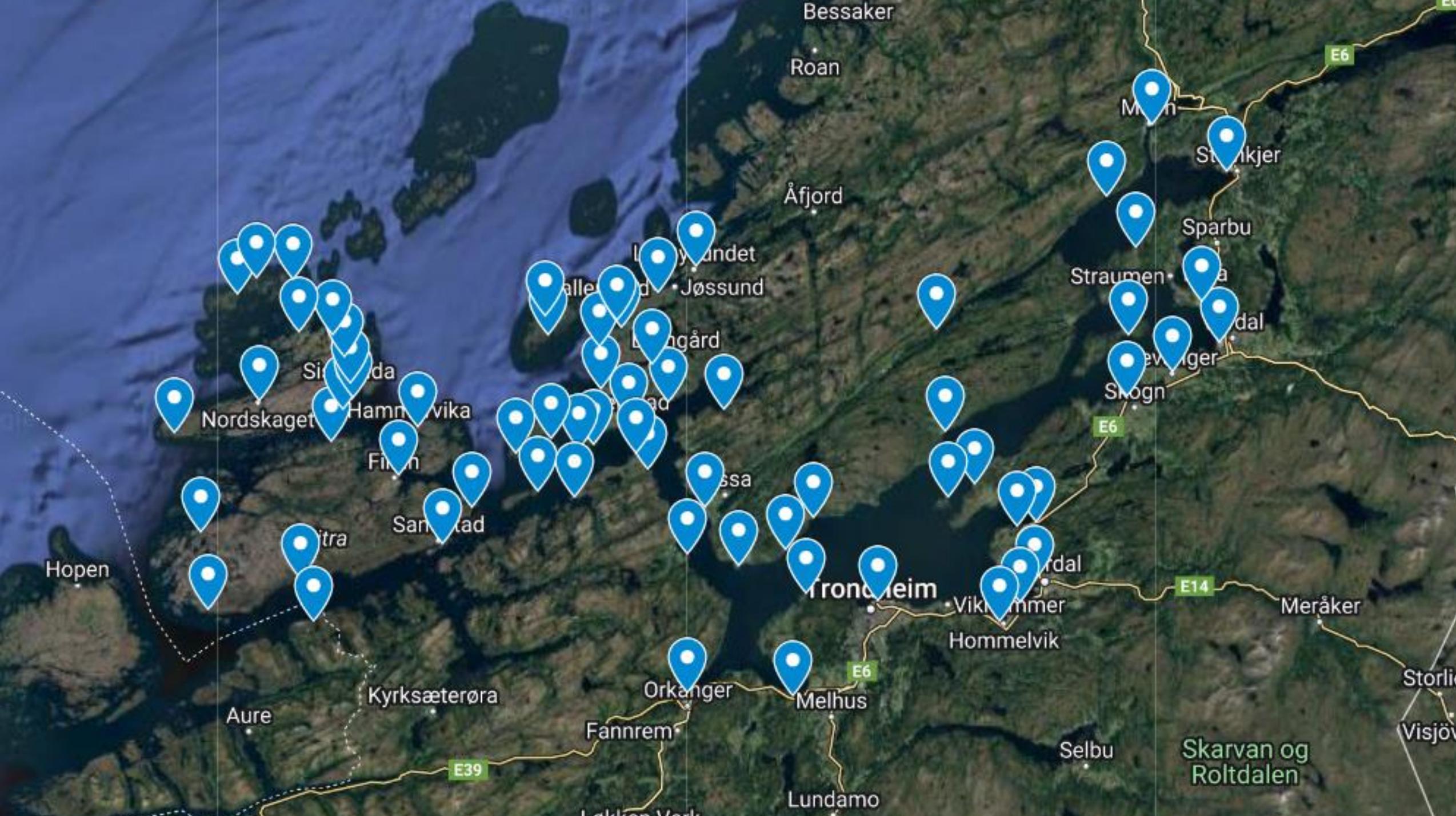


FleksFerge

Elastisk kapasitet på fergesamband, beredskapskapasitet
I tillegg til at datterfartøy kan operere på egen hånd







Bessaker

Roan

Åfjord

Strøm

Strømkjer

Sparbu

Straumen

Strødal

Skogn

E6

E14

Meråker

Fron

Vikhammer

Hommelvik

Orkanger

Melhus

E6

Fannrem

Lundamo

Selbu

Skarvan og
Roltdalen

Nordskaget

Sirida

Hamnvika

Finn

Sarstad

Ittra

Kyrksæterøra

Aure

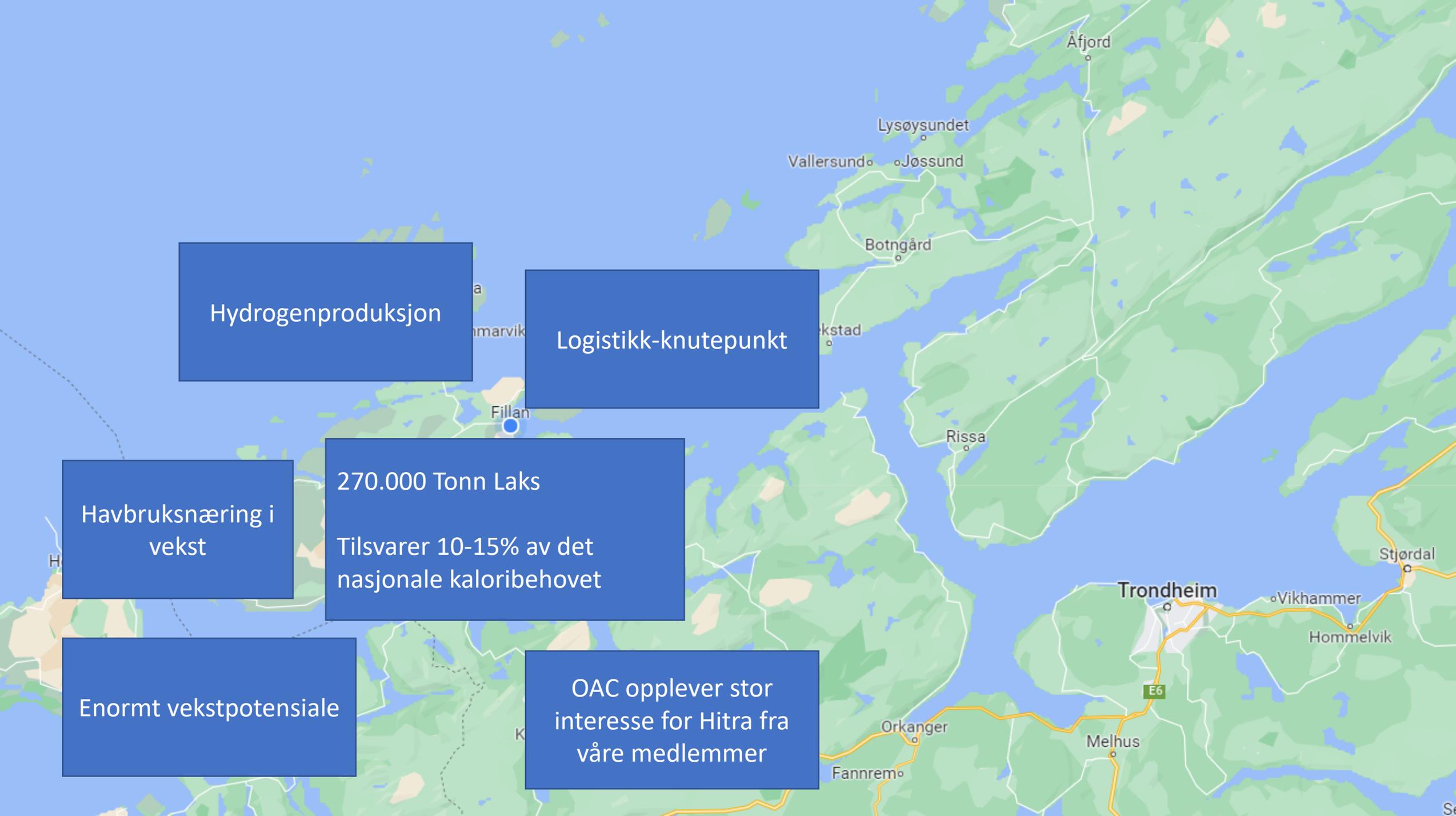
E39

Hopen

Storli

Visjöv

Hvorfor Hitra?

A topographic map of the Hitra region in Norway, showing green terrain, blue water bodies, and orange roads. Several blue text boxes are overlaid on the map, providing information about hydrogen production, logistics, and salmon farming. The map includes labels for various locations such as Åfjord, Lysøysundet, Vallersund, Jøssund, Botngård, Rissa, Trondheim, and Melhus.

Hydrogenproduksjon

Logistikk-knutepunkt

Havbruksnæring i vekst

270.000 Tonn Laks
Tilsvarende 10-15% av det nasjonale kaloribehovet

Enormt vekstpotensiale

OAC opplever stor interesse for Hitra fra våre medlemmer

Men....



Delin Duan (Jektvollen 2023):

"Young people do not want to work in this industry. (low paid / hard manual work)"

"Enough labour force will be a future challenge"

"We must mechanize the industry"

Smarte systemer vil være en forutsetning for fremtidig vekst

Ocean Autonomy Cluster

More information:

Web: <https://oceanautonomy.no/>

Linkedin: <https://www.linkedin.com/company/oceanautonomy>

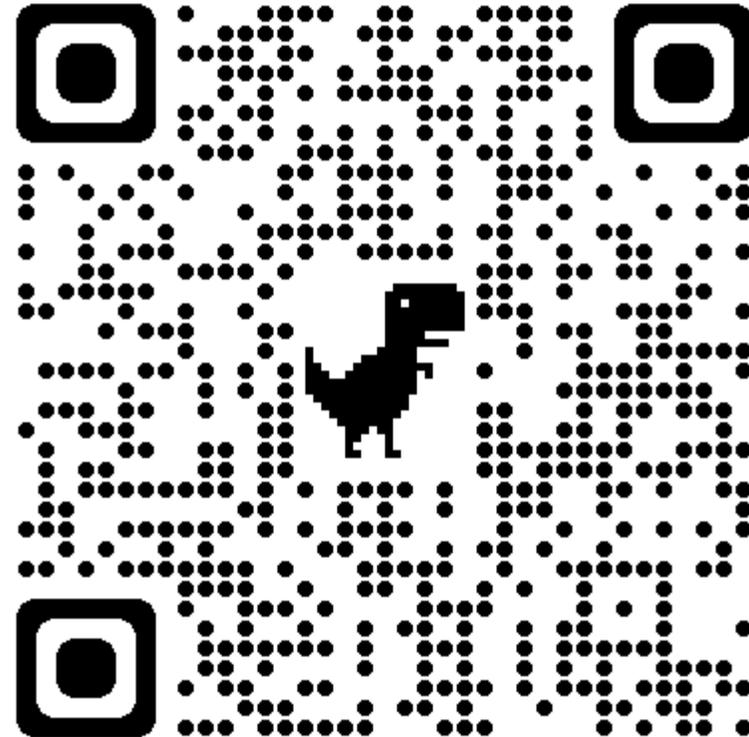
Facebook: <https://www.facebook.com/oceanautonomy>

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