

An aerial photograph of a coastal industrial site, likely a power plant or refinery, situated on a peninsula. The site features several large buildings, a paved area with vehicles, and a pier extending into the water. In the background, a range of hills is dotted with several wind turbines. The sky is clear and blue.

CCS Haugalandet Seminar 26.oktober 2023

Karoline Sjøen Andersen
Haugaland Næringspark



Program kveldsseminar om transport og lagring av CO₂

17.00 – Velkommen og presentasjon av CCS Haugalandet og nyeste resultater v/Karoline Sjøen Andersen

17.10 – Transport av CO₂ på skip v/Per Lothe KNCC

17.30 – Transport av CO₂ i rør v/Ola Nestaas Gassco

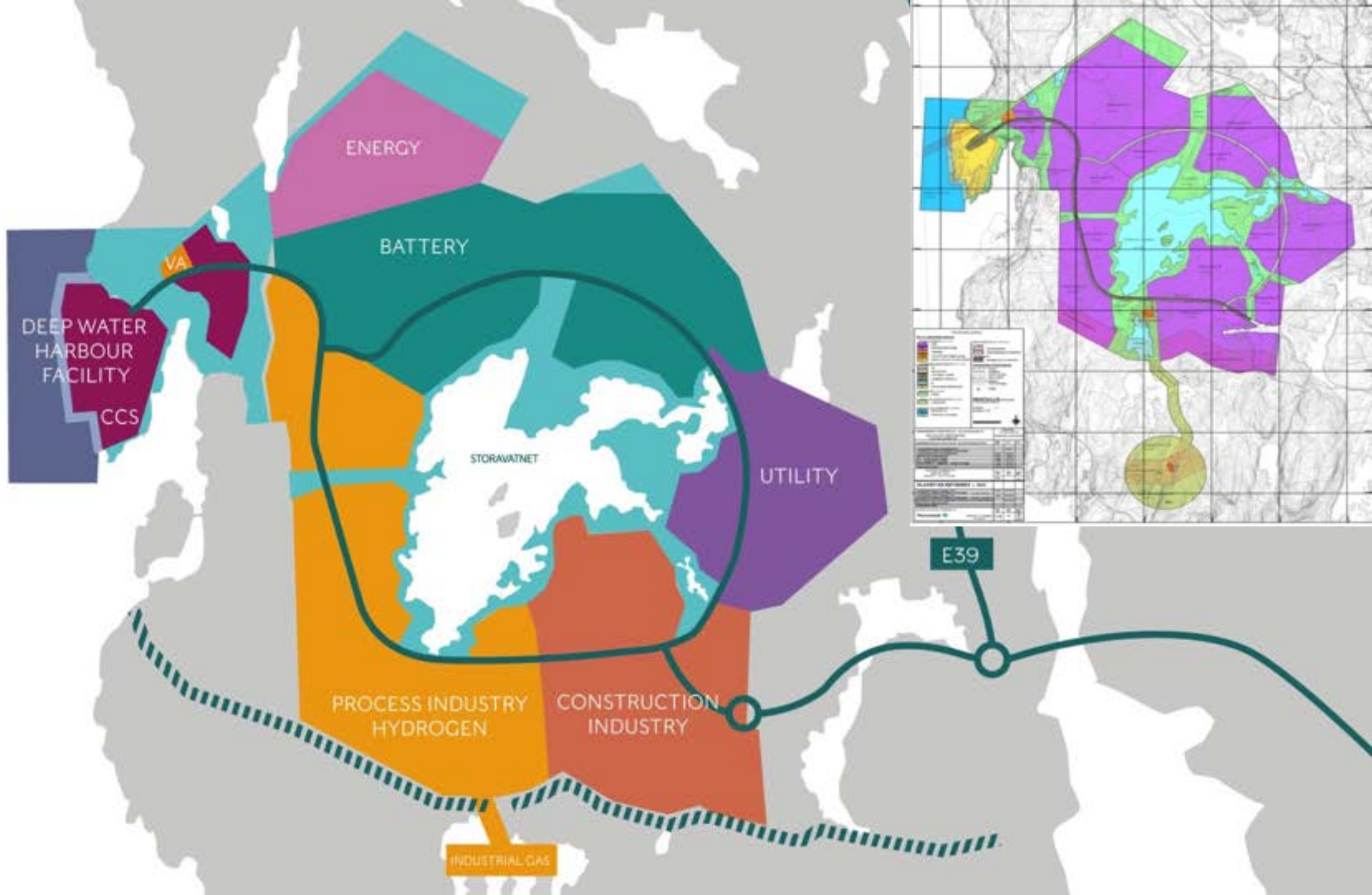
17.50 – Permanent lagring av CO₂, hvordan fungerer det og hvorfor er Norge unike? v/Kirsten Haaberg Gassnova

18.10 PAUSE

18.20 – CO₂ hub Gismarvik v/Morten Sola Horisont Energi

18.40 – Panel om utfordringer og muligheter for å realisere CCS for mindre og spredte volumer

18.55 - Avslutning



Haugalandet

Utsira North



HAU Airport



Sauda

Haugesund

Tysvær

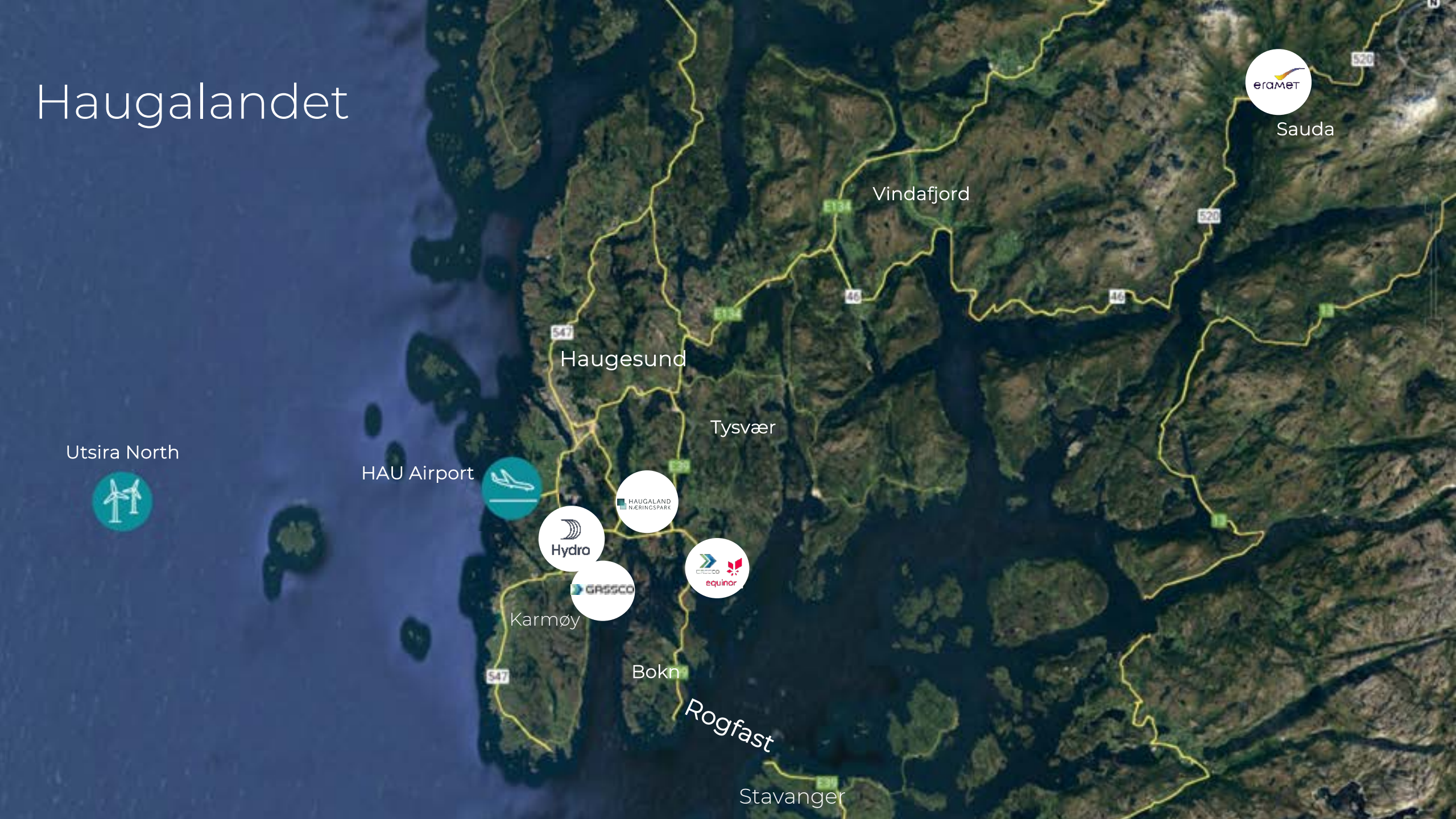
Vindafjord

Karmøy

Bokn

Rogfast

Stavanger





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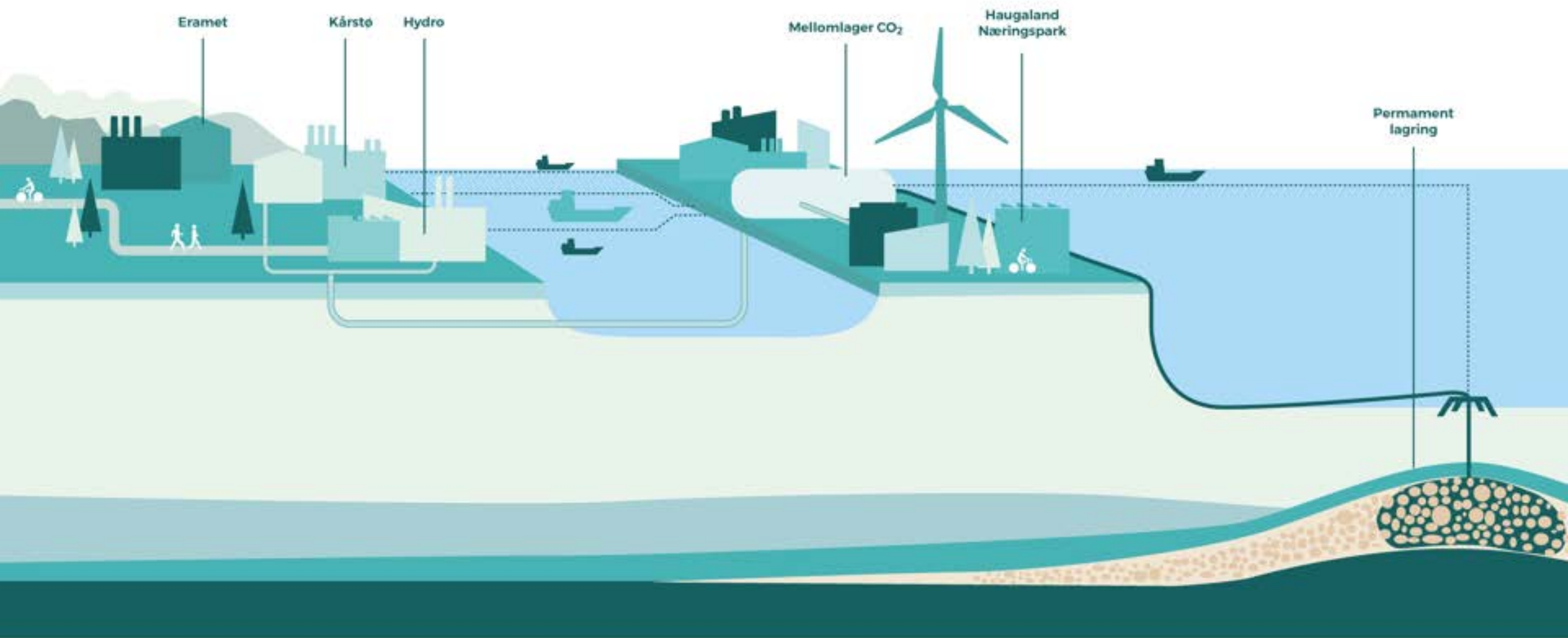
Table 2-1: Annual CO₂ emissions today (tonnes per year).

Eramet Sauda	Gassco Kårstø	Hydro Karmøy	HNP	SUM
348 000	840 000	430 000	N/A	1 618 000

Utslipp fra partnerne i CCS Haugalandet i dag.

I tillegg er det ventet årlige utslipp fra nyetableringer i Haugaland Næringspark i størrelsesorden 1-3 millioner tonn CO₂ frem mot 2030.

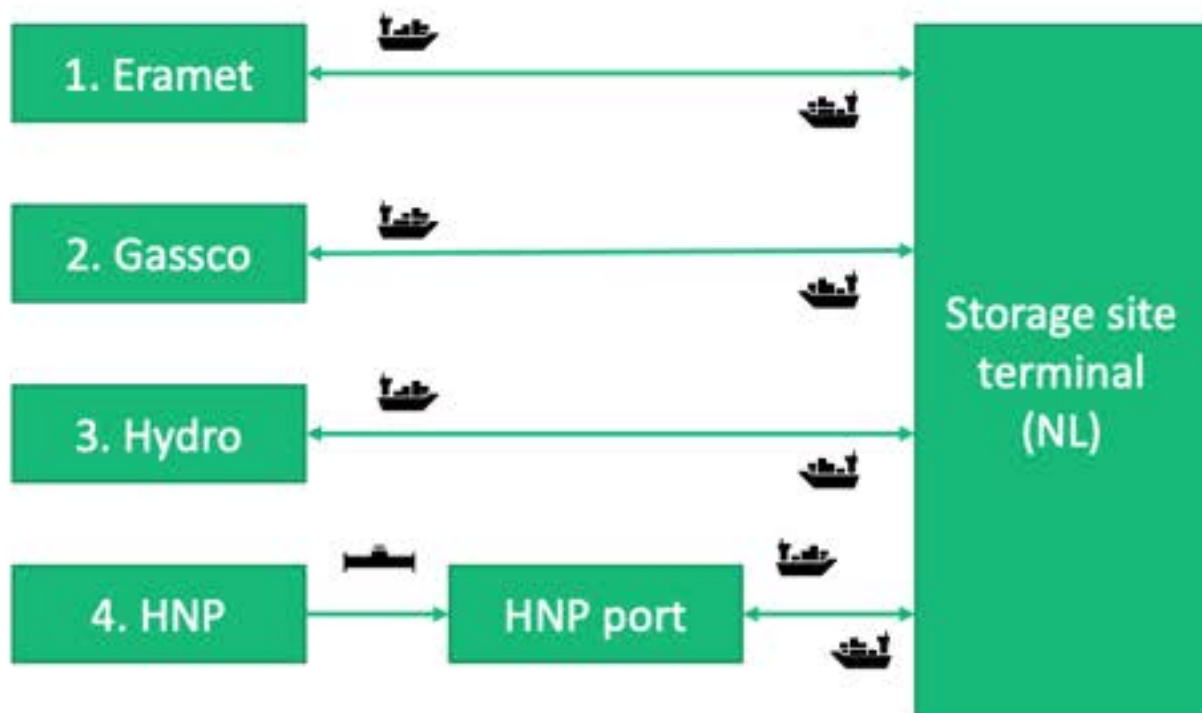
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Transport scenario 0

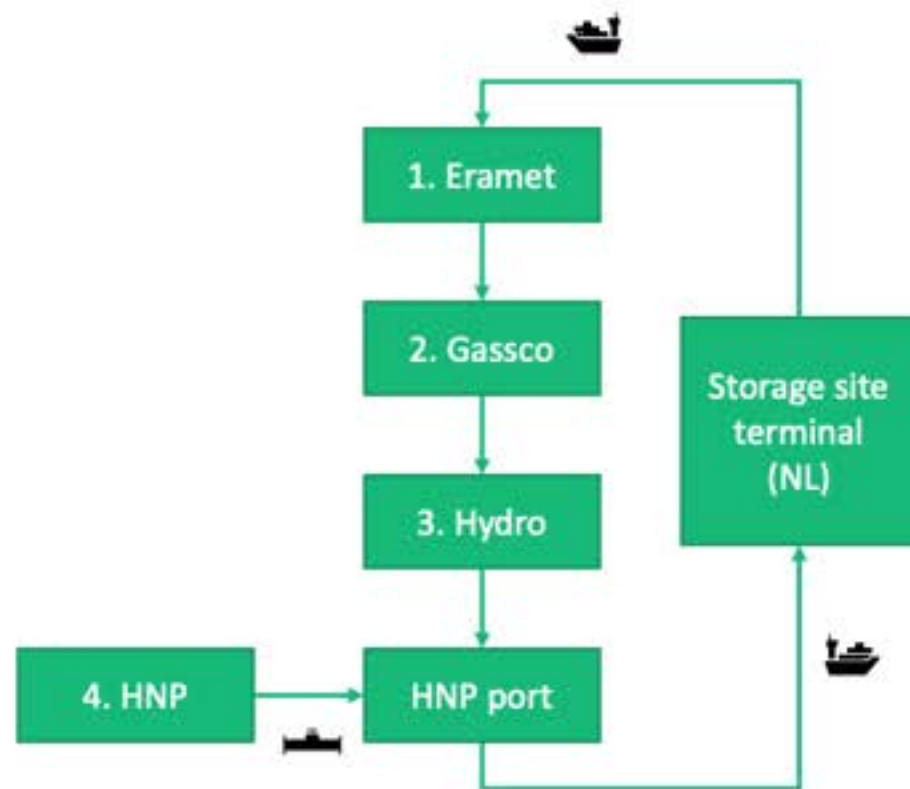
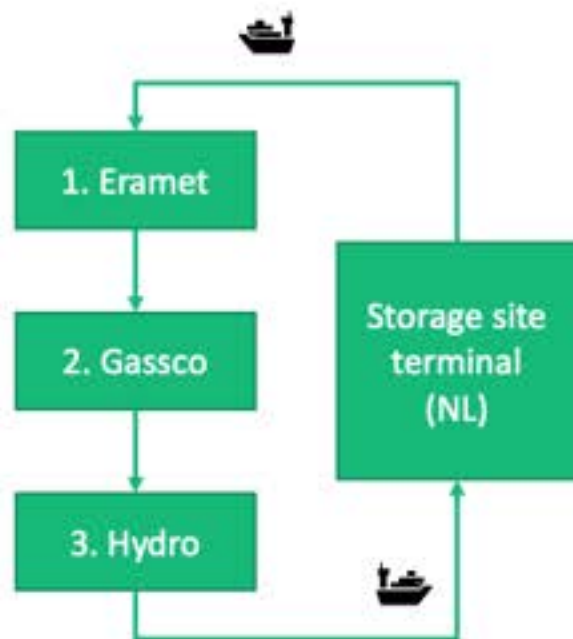


- Individual transport route by a ship.
- Total 4 individual routes.
- No sharing of transport infrastructure cost (ships, local tanks, loading facility).



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Transport scenario 1 with/without HNP

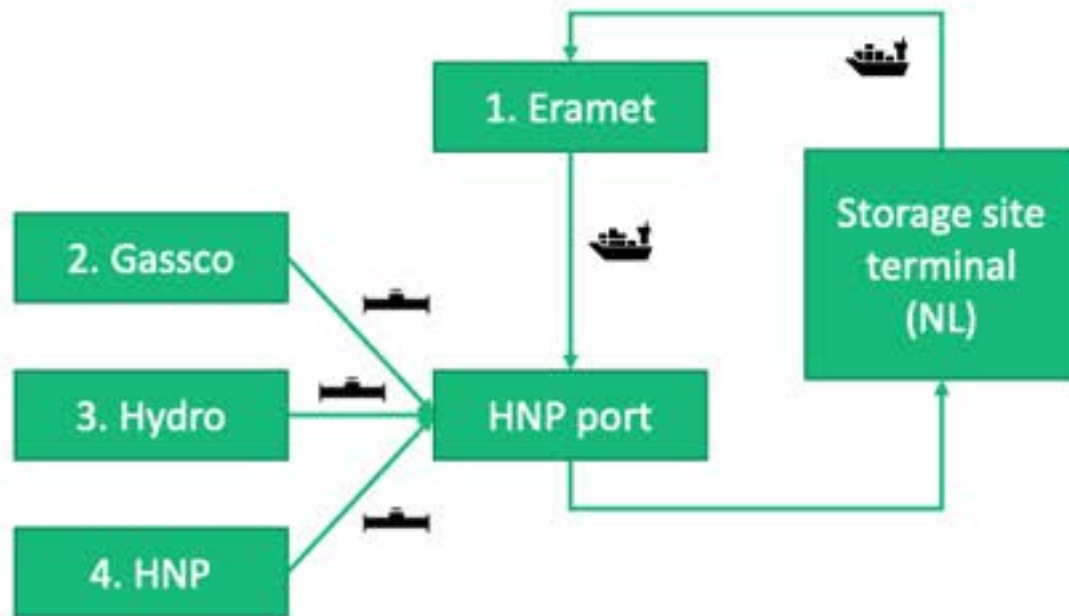


- Binding all plants by a common ship.
- Only 1 route.
- Sharing of transport infrastructure cost (ships, local tanks, loading facility).



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Transport scenario 2



- A common ship stopping Eramet and HNP port.
- Gassco, Hydro, HNP to HNP port via pipelines.
- Sharing of transport infrastructure cost (ships, local tanks, loading facility).