

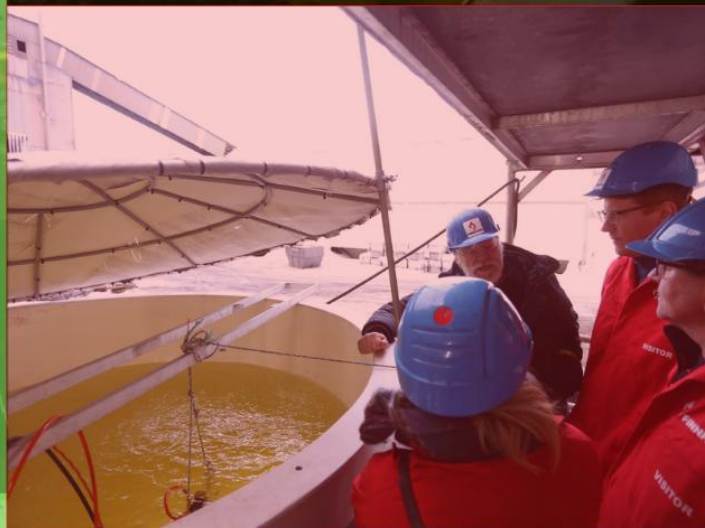


**IMPORTANT INDUSTRY IN
THE NORTH**

**THE ONLY NORWEGIAN
OWNED FERROSILICON
FACILITY IN NORWAY**



ZERO EMISSION GOAL



A CONTRIBUTOR AND INNOVATOR



NORTHERNMOST FERROSILICON PLANT

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Emma Jørgensen Krogstad

#holditorsken

FERROSILICON PLANT

Produces ferrosilicon used in iron production, and byproduct microsilica.



1960 – Founded

2012 – Heat renewal system

2018 – One of the biggest and most energy effective plants

2021 – New CO2 capture facility

Annual production capacity is 100 000 tons and emits 300 000 tons of CO2

SUSTAINABILITY INITIATIVES

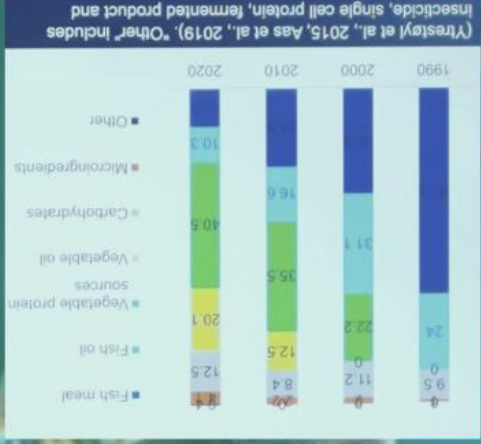
- Heat renewal
- Electricity
- production
- Algae project



Algae project

Finnjord ferrosilicon plant set a goal to release zero greenhouse gases to the atmosphere

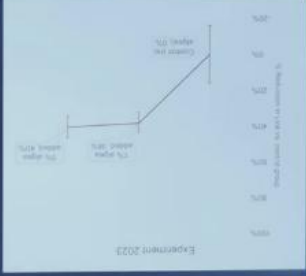
finnfjord as partner in 2014 with the university in tromsø with an ongoing project, to use the CO2 made in the production of ferrosilicon, to grow algae for fish food. to then achieve zero emissions of CO2.



The algae used in the project, is autotrophic single-celled algae. The algae is from the regions of Troms and Finnmark, and a very important part of the diet of the native population of salmon.



The algae is cultivated in large tanks in greenhouses where they feed on the CO2 from the metal production, and under perfect circumstances they can split twice a day



- 40% reduction in sea lice
- The microalgae's natural defence against copepods = sea lice
- Next step: Large-scale test

In tests where they mix the algae with the fish food, they managed to reduce the number of sea lice by 40%

Increase omega-3 content in salmon feed