



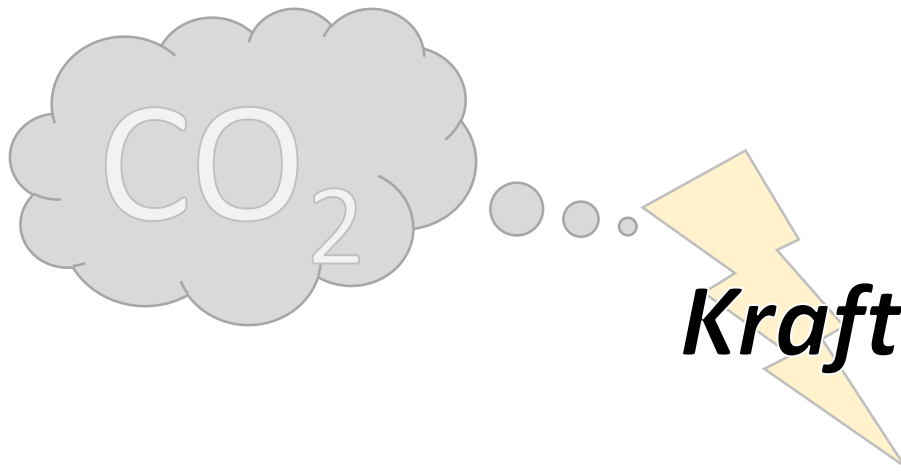
AKVAGROUP™



knut.molaug@aquarobotics.no



[@kmolaug](https://twitter.com/kmolaug)



2%





10.000 grønne arbeidsplasser

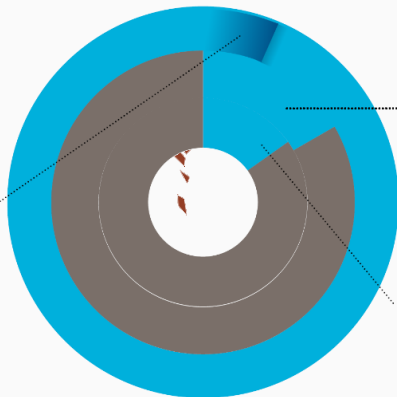


production consumption i



Produksjon av fornybar energi i forhold til forbruk

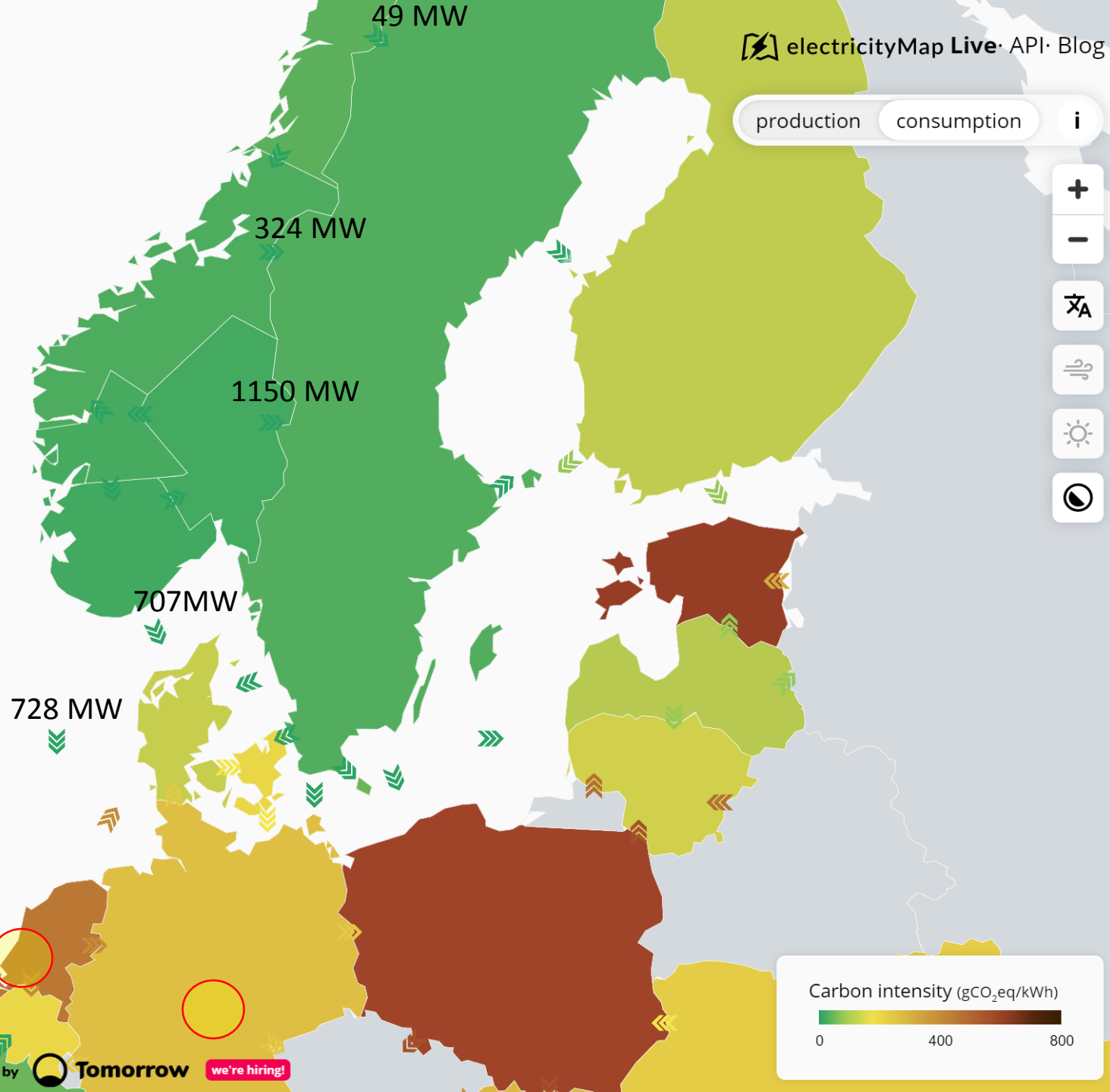
Norge
107%



EU
16.7%

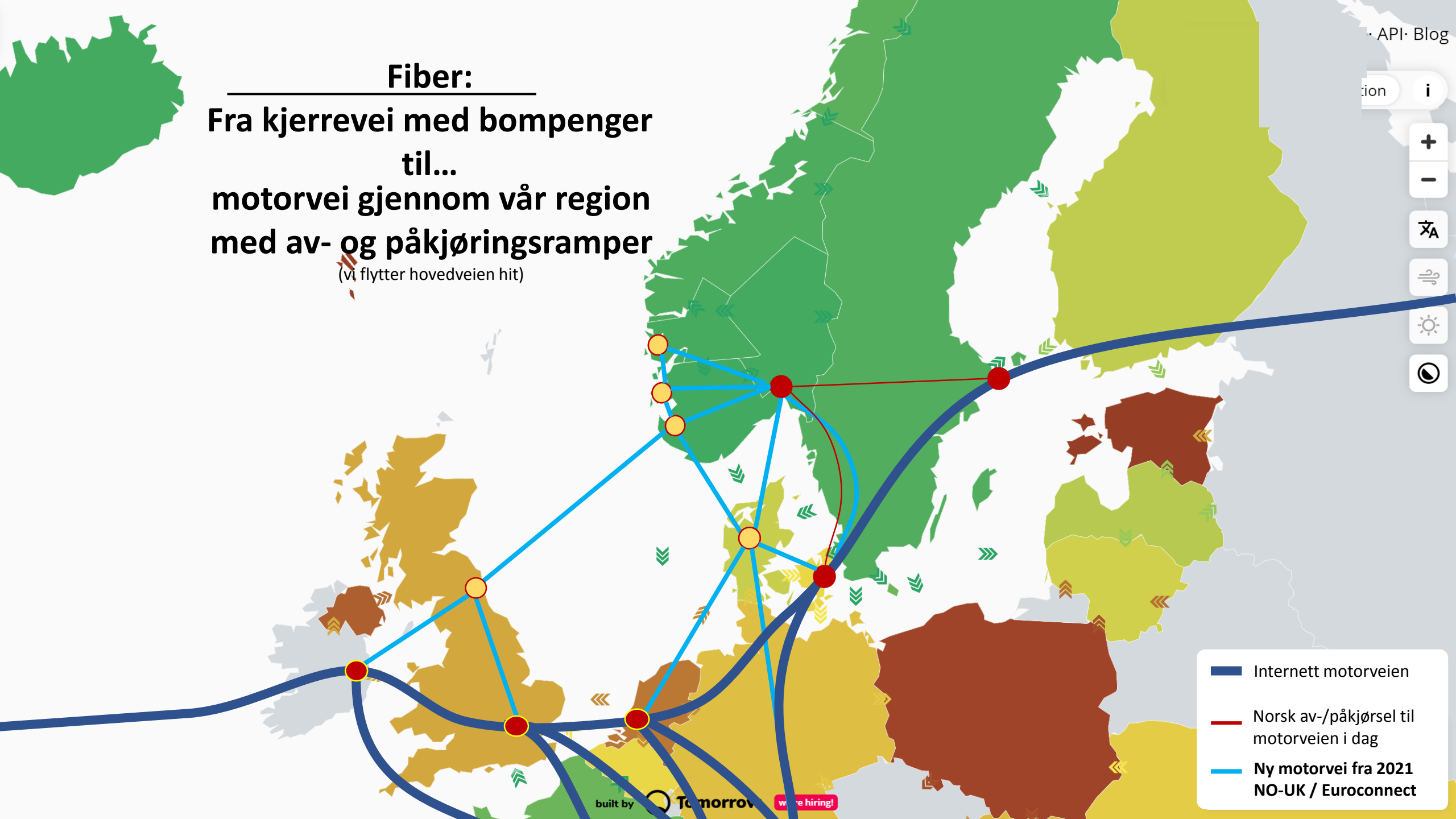
USA
15.2%

kilde: Statkraft

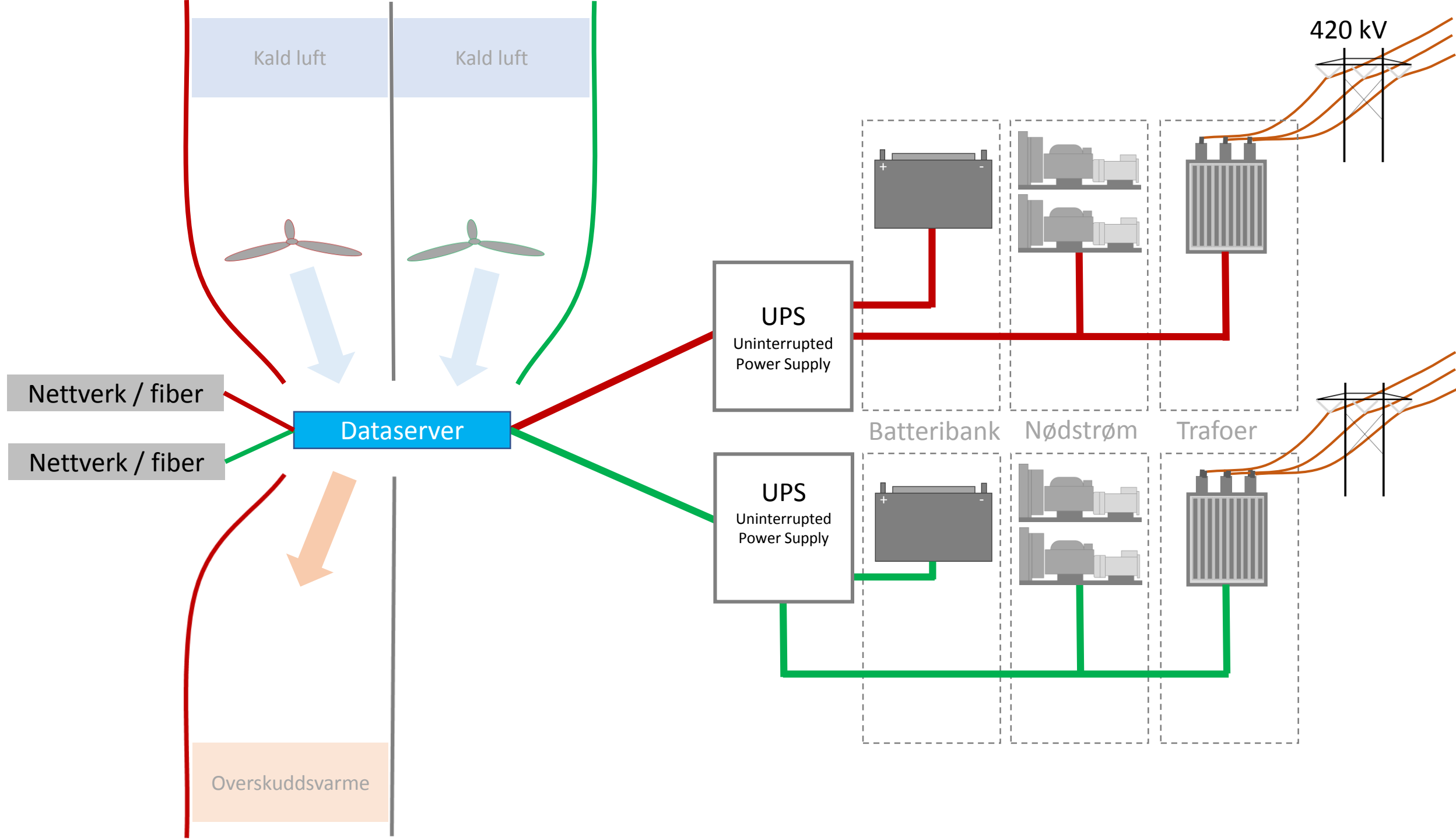


Carbon intensity (gCO₂eq/kWh)
0 400 800

Fiber:
Fra kjerrevei med bompenger
til...
motorvei gjennom vår region
med av- og påkjøringsramper
(vi flytter hovedveien hit)



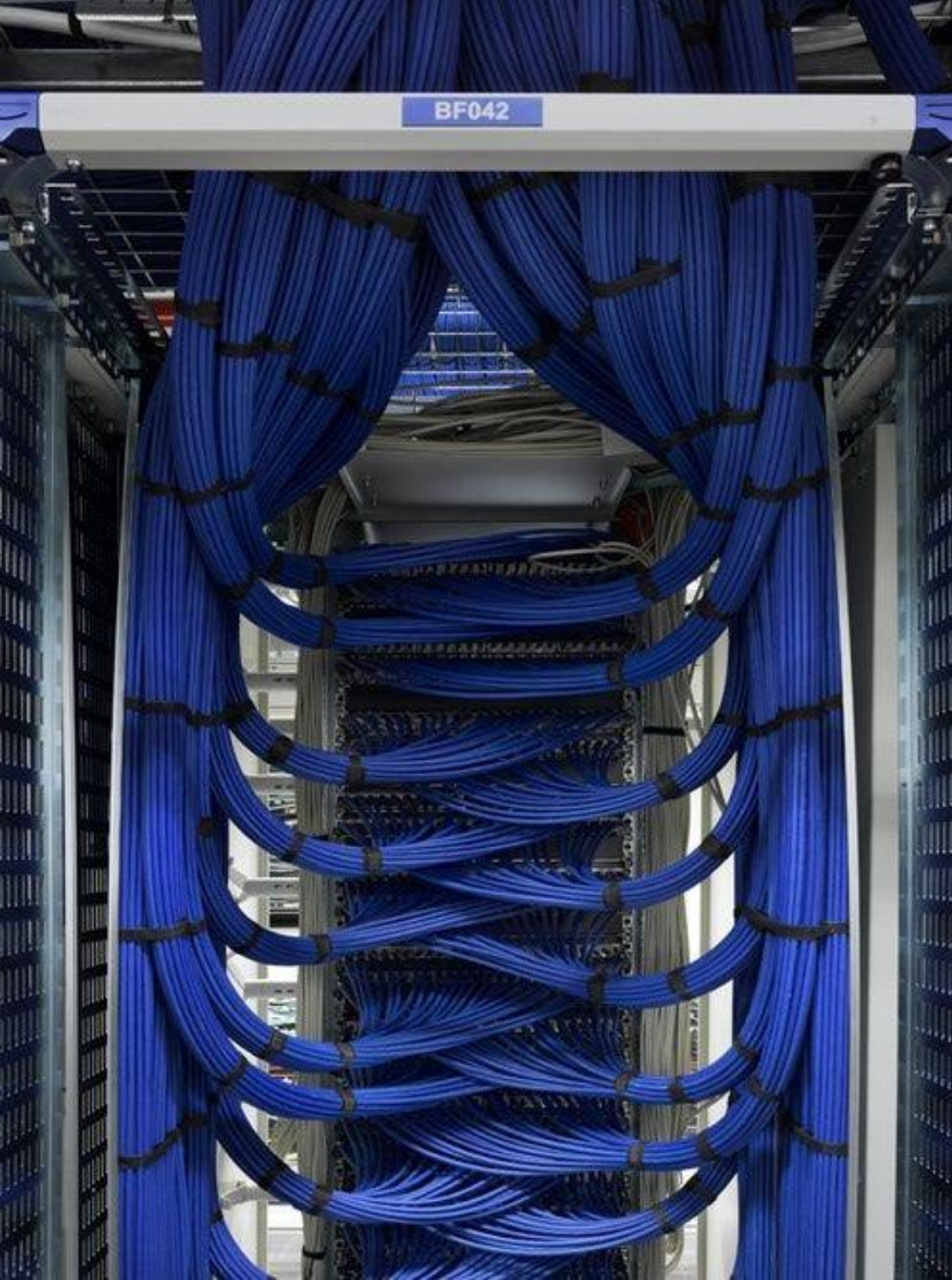
- Internett motorveien
- Norsk av-/påkjørsel til motorveien i dag
- Ny motorvei fra 2021 NO-UK / Euroconnect



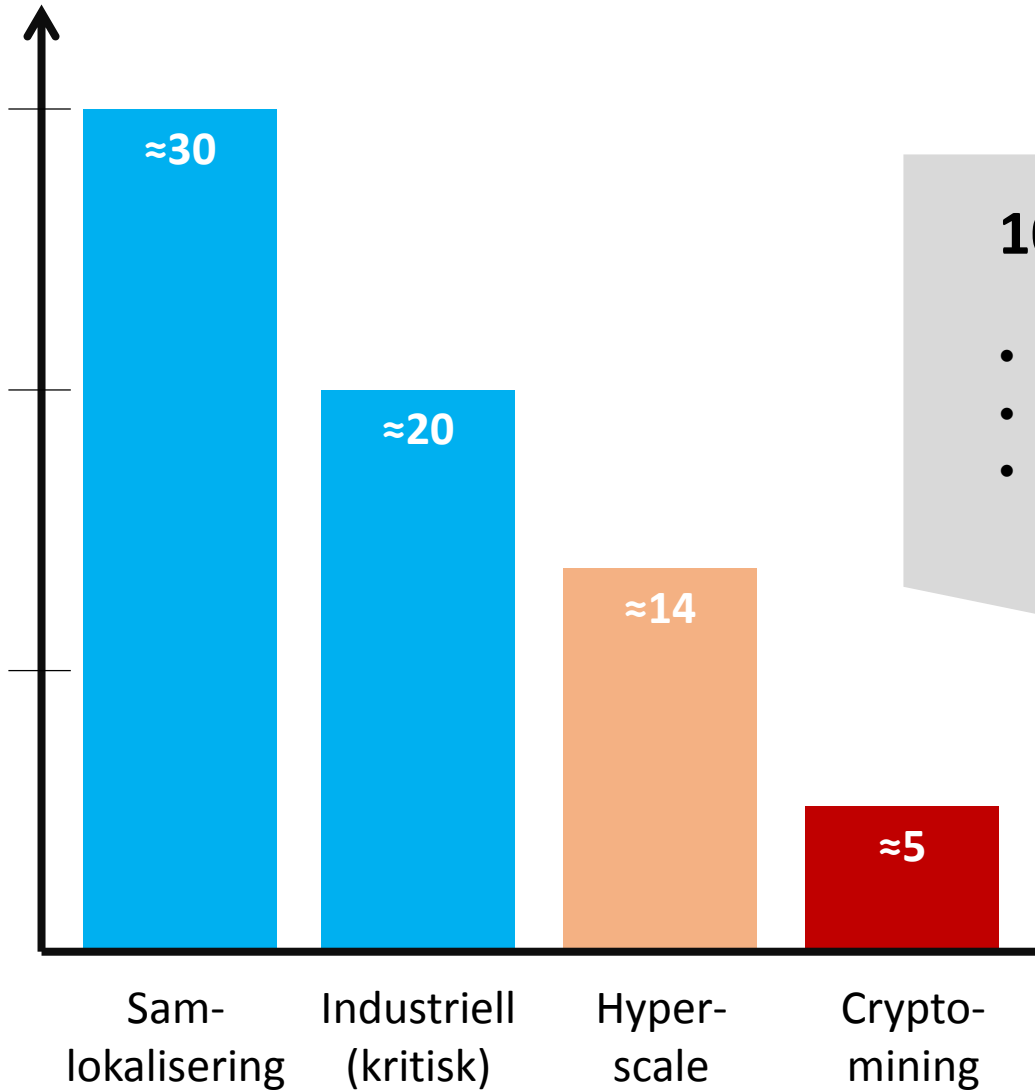


2 TERABYTES





Arbeidsplasser/MW



10 MW Samlokaliserings datasenter:

- Bygging av datasenter: kr. 50 mill. / MW
- IT utstyr i datasenteret: kr. 150 mill. /år
- Arbeidsplasser: 30 / MW

10 MW Datasenter:

Investeringer: kr. 500 mill.
Deretter kr. 1,5 mrd. hvert år
Arbeidsplasser: 200-300

vs.

100 MW Datasenter:

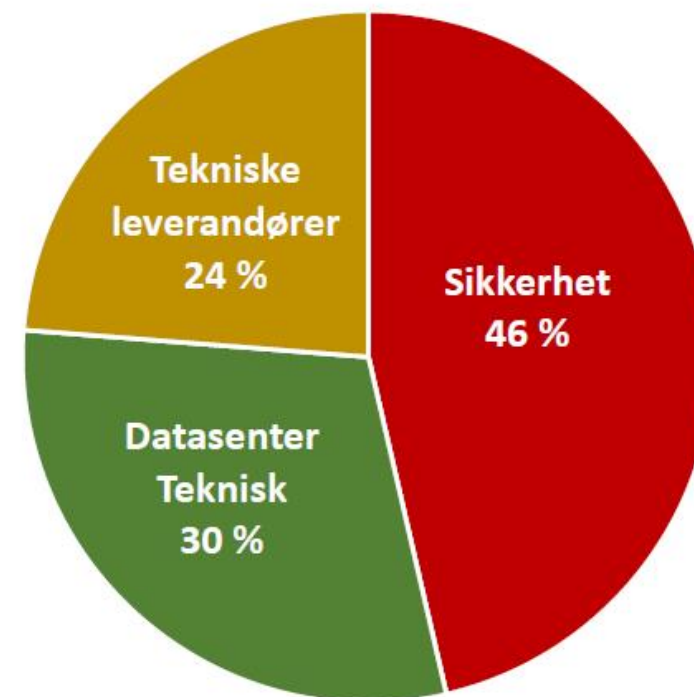
Investeringer: kr. 5 mrd.
Deretter kr. 10 mrd. hvert år
Arbeidsplasser: 1 400



Litt av vårt driftsteam i Green Mountain



Underleverandører



- Teknikere (24/7)
 - Vedlikehold & drift av infrastruktur
 - IMACD (install, Move, Add, Change, Dispose)
- Sikkerhet (24/7)
- Admin, Renhold, leveranser, transport osv.

- Sikkerhet og tekniske leverandører **(70%)** – Lokalt
- Datasenterteknisk **(30%)** – Regionalt & nasjonalt.

EKSEMPEL:

VOLKSWAGEN

AKTIENGESELLSCHAFT



Herbert Diess • 3rd+

Chairman of the Board of Management of Volkswagen AG/ Chairman of the Bo...
9mo • Edited •

We have opened a new computer center in Norway that operates sustainably and climate-neutrally on 100 percent electricity from hydroelectric power.

With our new data center in Norway **Volkswagen AG** can save more than 5,800 tons of CO2 annually by using clean hydro power and the wet and cool climate. And on top, we save more than 600k €. Our servers there will be used to run simulated crash tests as well as virtual wind tunnel trials. How cool is that?

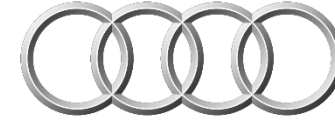
Want to learn more <https://lnkd.in/e2uPzY5>



With our new data center in Norway **Volkswagen AG** can save more than 5,800 tons of CO2 annually by using clean hydro power and the wet and cool climate. And on top, we save more than 600k €. Our servers there will be used to run simulated crash tests as well as virtual wind tunnel trials. How cool is that?



PORSCHE



Audi

ŠKODA



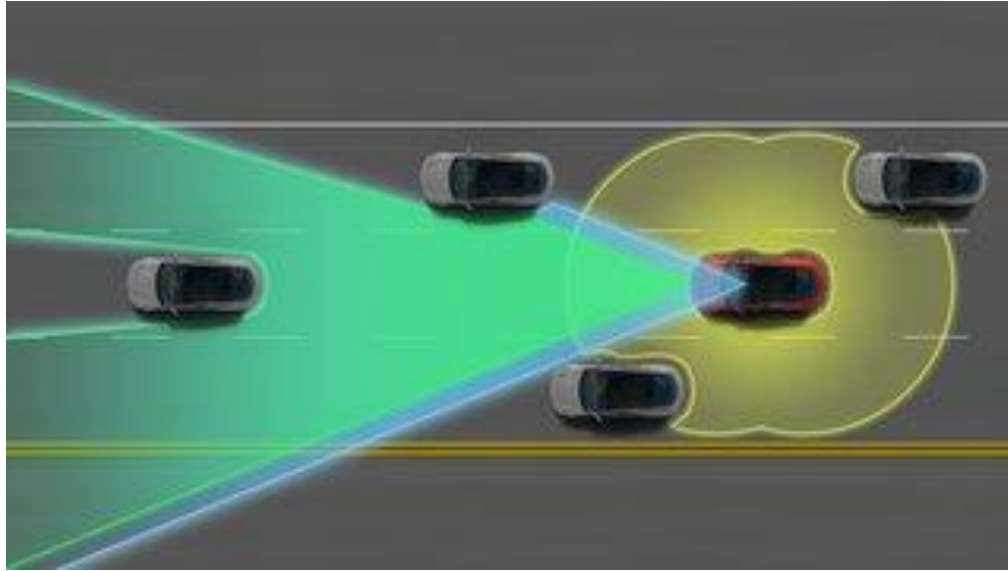
SEAT



Autonome kjøretøy

Trinn 1: ADAS – Advanced Driver Assist Systems

Trinn 2: Autonome kjøretøy

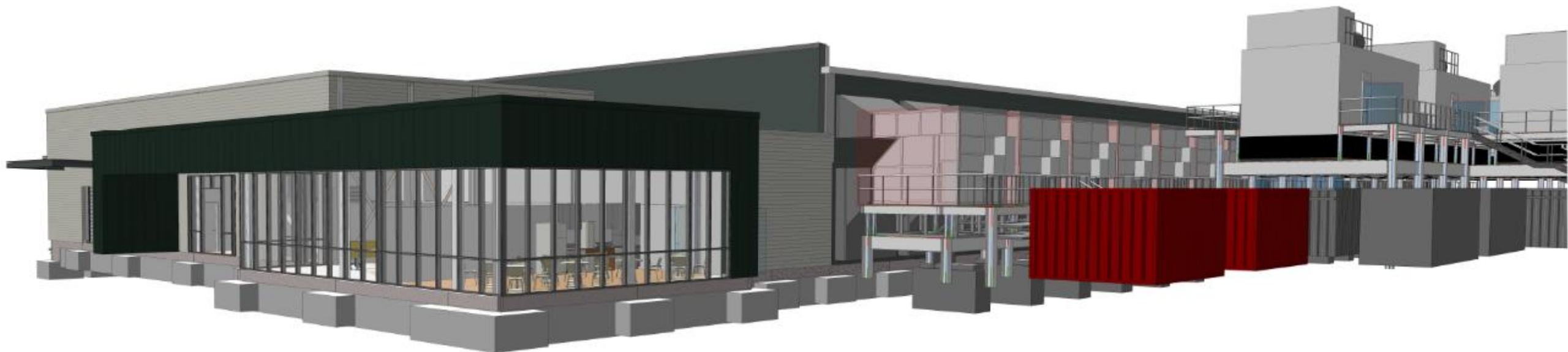


- Må ha datasentre



+

- 2-3 datasentre hver a 10-20 MW (i oppstart)



10-20 MW



5000 – 10.000 m² (bygninger)

Datasentertype	Ant	MW	#/MW	Arbeids- plasser	MW	Biogass	Veksthus	Oppdrett	Annet
Hyperscale	1	110	14	1 540	110				
Industriell	11	25	20	5 500	275				
Samlokalisering	2	50	30	3 000	100				
Sum				10 040	485	?	?	?	?



10.000 grønne arbeidsplasser



Kalberg er sannsynligvis Nordens beste datasentersted!

Vi må ta hensyn til landbruksinteressene, og sammen finne løsninger...

Vi kan ikke si nei til 10.000 nye grønne arbeidsplasser