

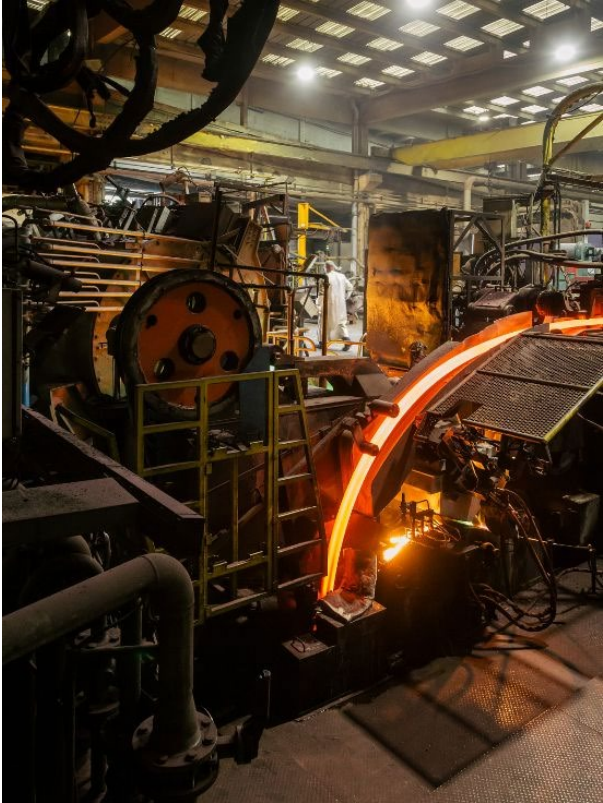
The background of the slide features a large red and white ship, the 'NEXANS AURORA', sailing on the ocean. The ship has yellow cranes and is surrounded by several offshore wind turbines. The sky is blue with scattered white clouds. The Nexans logo is in the top left corner, and the text 'Ha v vind og Miljø' is written in large white letters across the middle. The name 'Audun Johanson' is at the bottom left. The ship's name 'NEXANS AURORA' and the slogan 'Nexans. Electrify the Future.' are visible on its side.

Nexans
ELECTRIFY THE FUTURE

Ha v vind og Miljø

Audun Johanson

Nexans, Electrifying the future



Power Generation

- Offshore wind
- Onshore wind
- Solar
- Hydro



Power Transmission

- Subsea
- Land



Power Distribution

- Centralized network
- Rural electrification



Power Usage

- Residential
- Commercial
- Industrial
- Infrastructure

GENERATION + TRANSMISSION



DISTRIBUTION



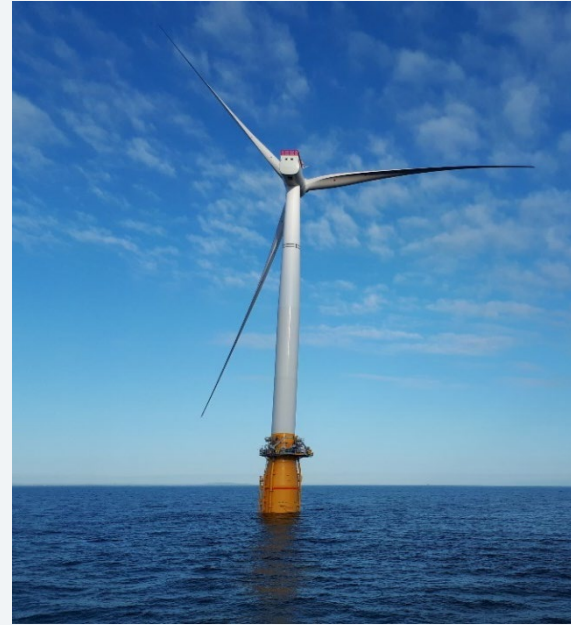
USAGE



Nexans og havvind



- 525 kV / 2 GW transmisjons kapasitet
- >2,160 km sjø- og landkabel



- Hywind Scotland
- Første flytende vindpark



- JanszIO
- Første dypvanns dynamiske 145 kV sjøkabel



karbonavtrykk sjøkabel



Installasjon

100

0%*

9%

Produksjon

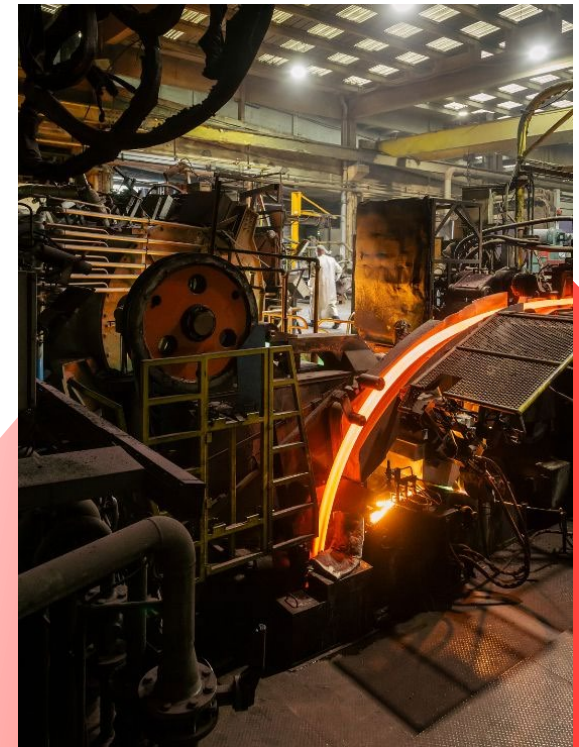
Råmaterialer

29%

- Karbonavtrykk nett
- Kapasitetssfaktor

Bruksfase

62%

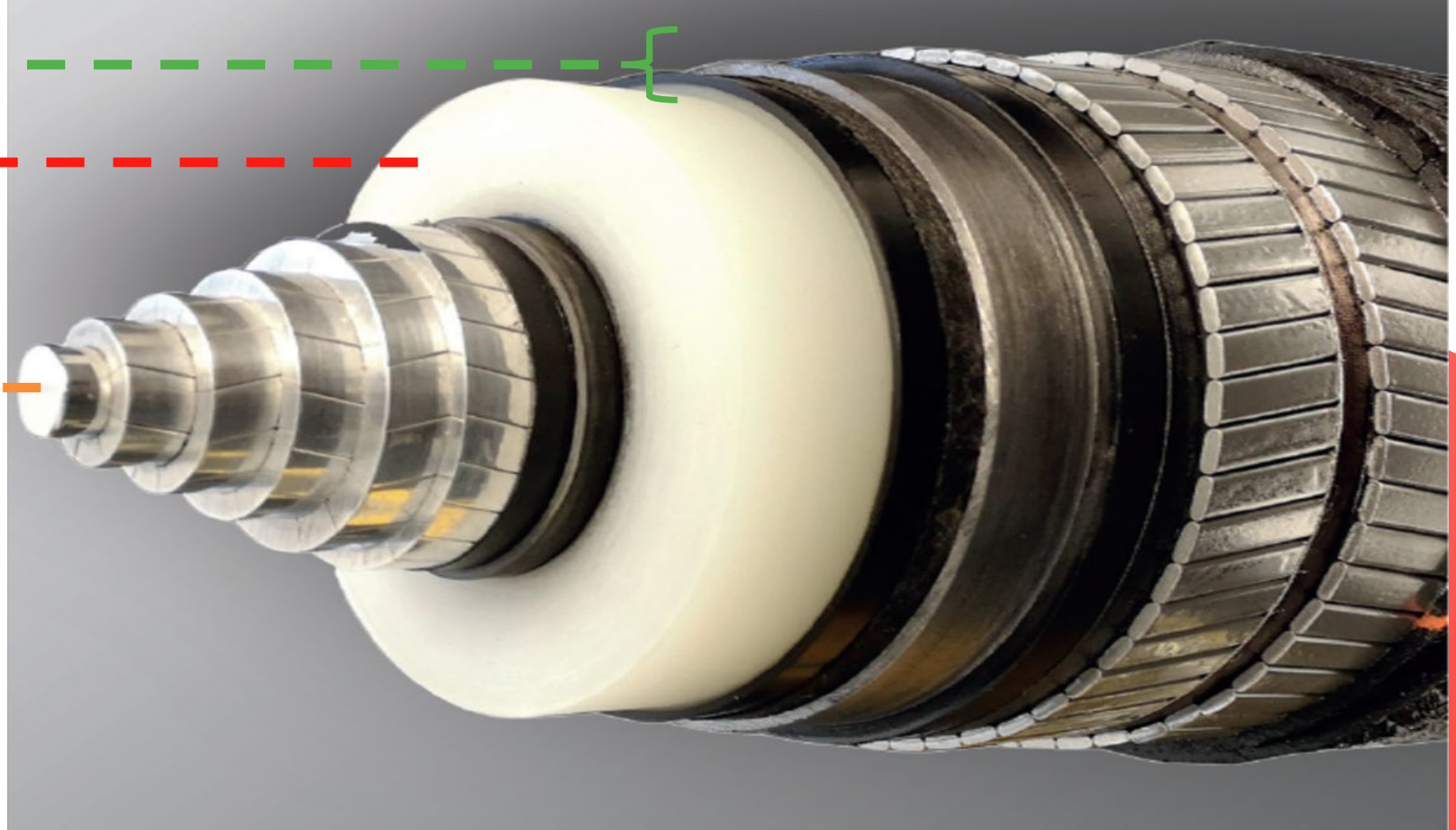


Resirkulering - Råmaterialer

Steel, Lead, PE

XLPE

Leder (Cu, Alu)



Materialvanning

Supply-demand balance, by main end use, %

■ Supply > demand (> 0)
 ■ Quasi balanced (0 to -10)
 ■ Imbalance (-11 to -20)
 ■ Moderate imbalance (-21 to -50)
 ■ Severe imbalance (> -50)

Material ¹	Current trajectory		Further acceleration		Achieved commitments	
	Base case	High case	Base case	High case	Base case	High case
Battery	Lithium	Supply > demand	Imbalance	Quasi balanced	Imbalance	Quasi balanced
	Cobalt	Imbalance	Quasi balanced	Imbalance	Imbalance	Imbalance
	Nickel	Quasi balanced	Supply > demand	Imbalance	Supply > demand	Supply > demand
	Manganese	Supply > demand	Supply > demand	Quasi balanced	Quasi balanced	Supply > demand
	Graphite	Imbalance	Supply > demand	Imbalance	Supply > demand	Imbalance
Magnets	Dysprosium and terbium	Severe imbalance	Severe imbalance	Severe imbalance	Severe imbalance	Severe imbalance
	Neodymium and praseodymium	Imbalance	Quasi balanced	Imbalance	Imbalance	Imbalance
Transmission and distribution	Copper	Quasi balanced	Supply > demand	Imbalance	Quasi balanced	Imbalance
	Bauxite	Supply > demand	Supply > demand	Supply > demand	Supply > demand	Supply > demand
Electrolyzers	Indium	Imbalance	Imbalance	Imbalance	Imbalance	Imbalance
Semiconductors	Tin	Imbalance	Imbalance	Imbalance	Imbalance	Imbalance
Process material	Sulfuric acid	Imbalance	Imbalance	Imbalance	Imbalance	Imbalance

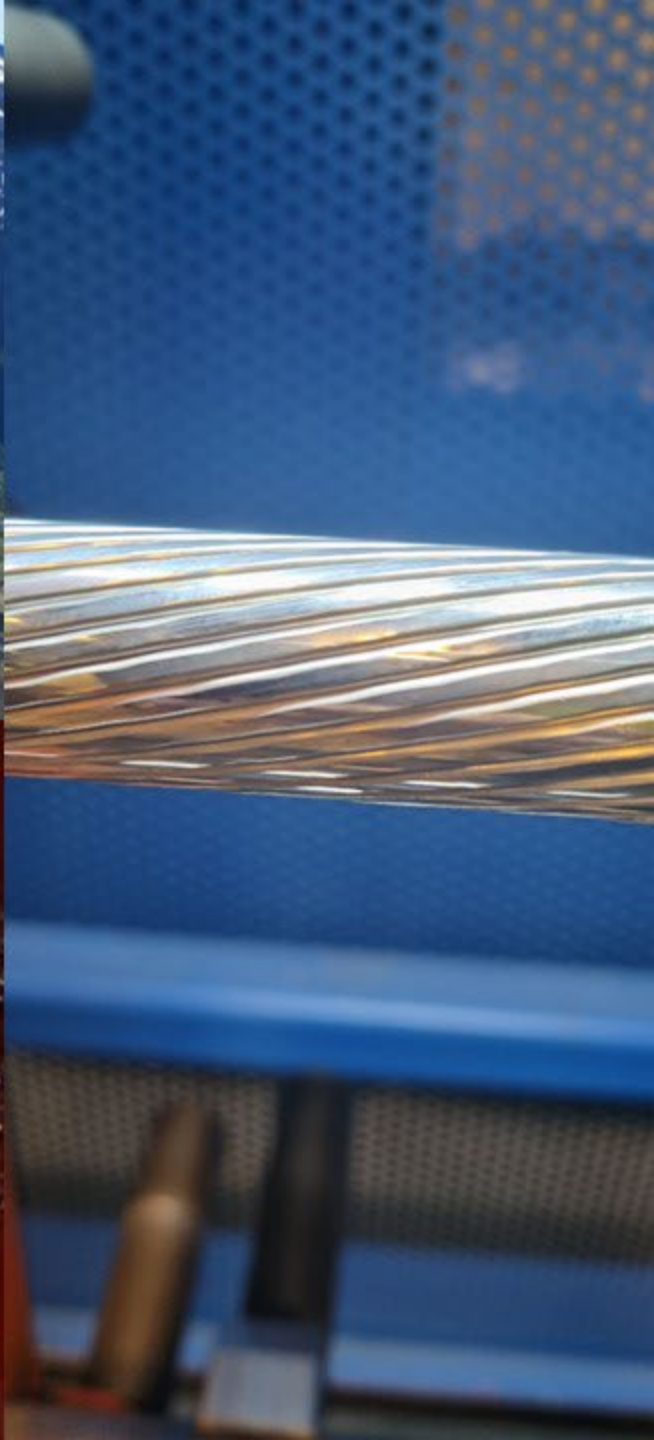
¹Including recycled materials. Source: McKinsey Global Materials Insights; McKinsey MineSpans



Åpner for gruvedrift i Kvalsund

Regjeringen gir tillatelse til å starte opp omstridt gruvedrift på Nussir-feltet i Kvalsund i Finnmark. – Vil ta livet av fjorden, sier sametingspresidenten.







ALU GREEN



Nexans
ELECTRIFY THE FUTURE



METALLCO



Hydro



BENTELER
makes it happen



SINTEF



KODYNA



**Ocean
Sun**



LEIRVIK



**OSHAUG
METALL**



NTNU



Norcable



Prodtex
Production / Technology / Excellence



BETONGBYGG



Aordic
OFFICE OF ARCHITECTURE



**MANUFACTURING
TECHNOLOGY** | NORWEGIAN
CATAPULT CENTRE



Statnett



**DR. TECHN.
OLAV OLSEN**



CHRISTIE
Christie & Opsahl AS



Corvus Energy



Forskningsrådet



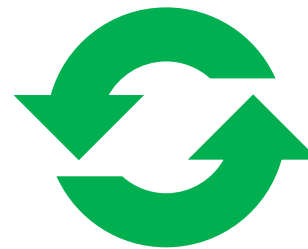
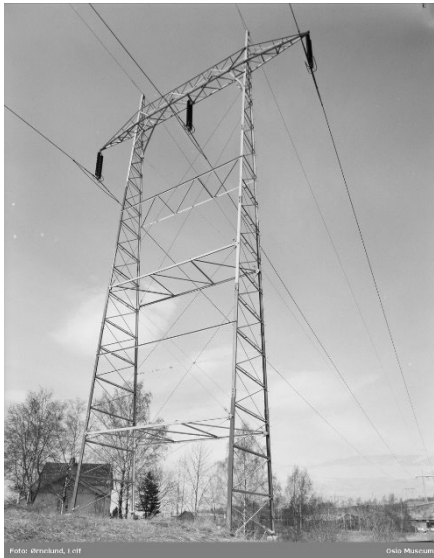
**Innovasjon
Norge**



siva Selskapet for industrivekst

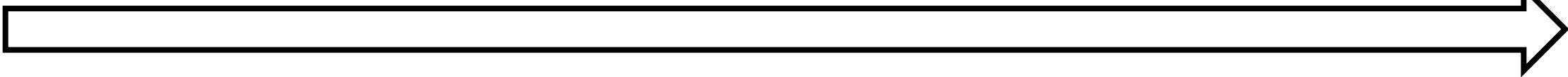
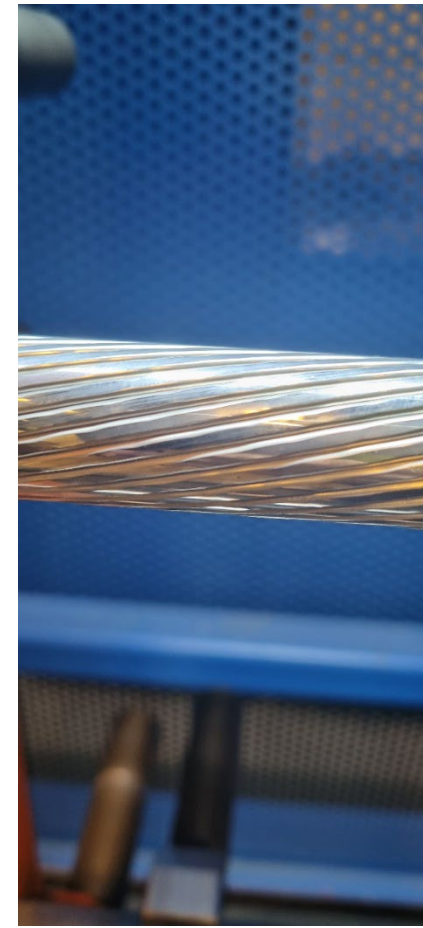
Aluminium i sjøkabel

Globalt snitt	> 16 Tn GHG/ Tn Aluminium
Norsk aluminium	< 4.5 Tn GHG/ Tn Aluminium
Resirkulert	- 95 %



Deler av Norsk og Europeisk distribusjon og transmissjonsnett nærmer seg forventet levetid (70 år)

Aluminium i sjøkabel



35 wt% postkonsumer

Tilfredstillende ledningsevne

Takk!

A large orange and white offshore supply vessel, the Nexans Audun, is shown at sea. The ship has yellow cranes and equipment on deck. The name 'NEXANS AUDUN' is visible on the side. The background shows a blue sea and a clear sky with several wind turbines in the distance.

AUDUN JOHANSON

[Nexans.com](https://www.nexans.com)

