



equinor

# Equinor og nye energiløsninger

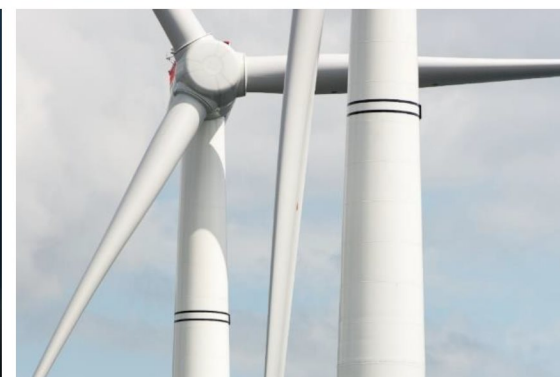
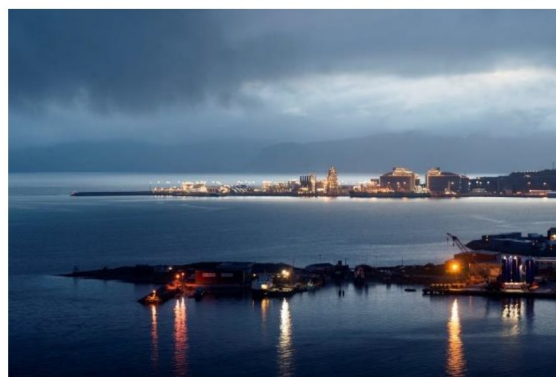
Pål Eitrheim

Konserndirektør, Nye Energiløsninger

VÅR VISJON

# Forme energiframtiden

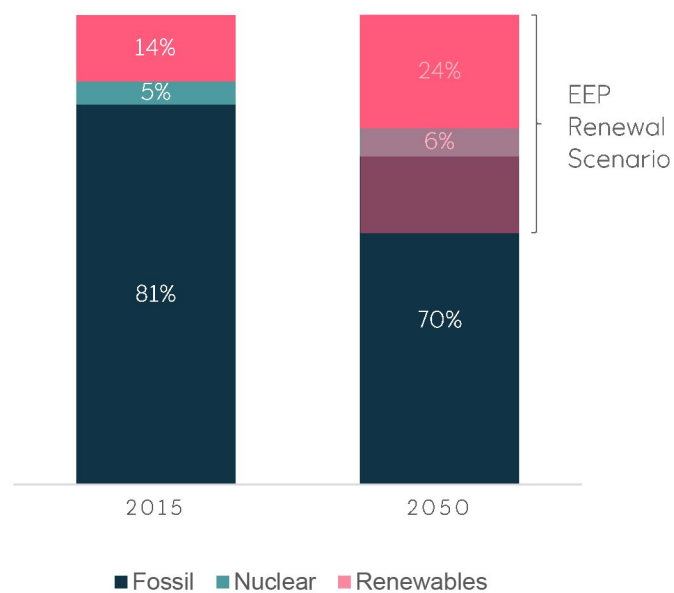
- Alltid konkurransedyktig
- Transformere olje- og gassindustrien
- Leverer energi for en lavkarbonframtid



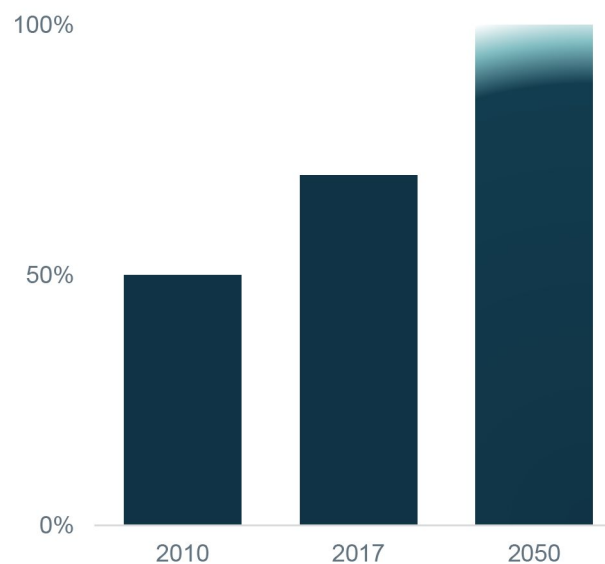
# Markedsutsikter for fornybar energi

## Kostnadsreduksjoner og etterspørselsvekst

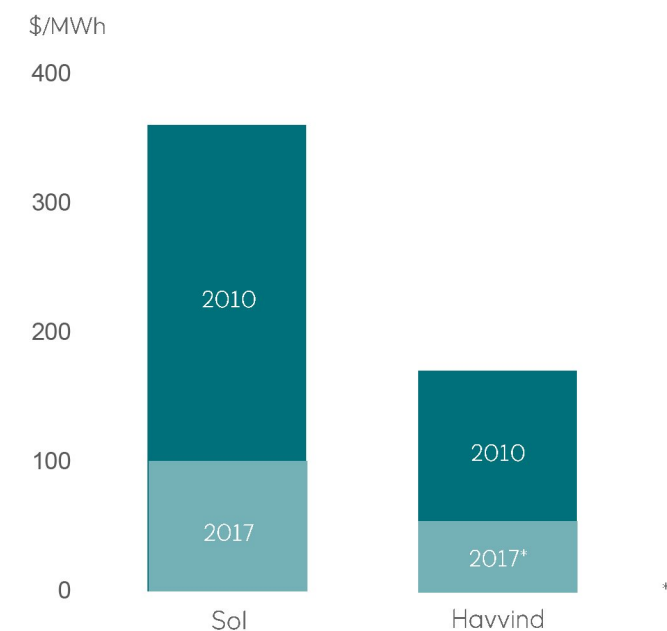
Global energimiks  
EEP 2018 Reform scenario



Kraftsektoren – fornybart  
Ny installert global kraftkapasitet

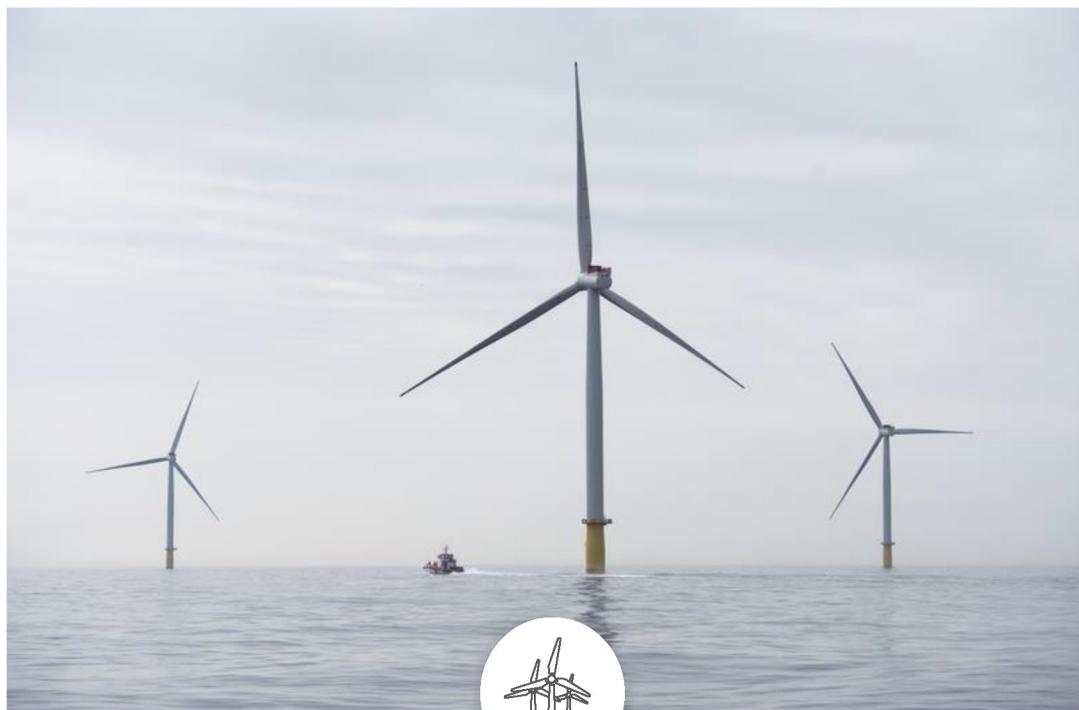


Kostnadsutvikling  
LCOE sol og vind



\* Basert på Europeiske auksjonspriser i 2017

## Nye energiløsninger



Bygge en lønnsom fornybarportefølje

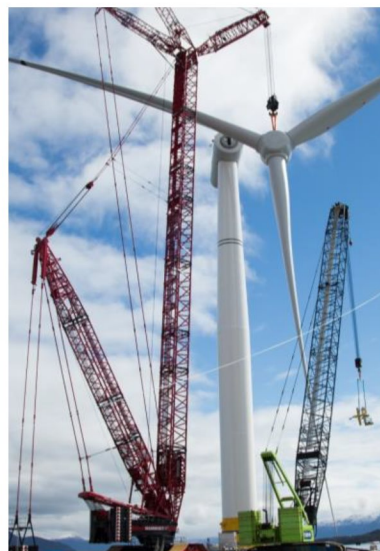


Utvikle nye lavkarbonløsninger og  
-muligheter for Equinors kjerneprodukter

## Kompetanse og erfaring fra olje- og gassindustrien



Sikkerhet er vår  
første prioritet



Komplekse prosjekter  
og leverandør-  
relasjoner



Finansiell styrke og  
risikohåndtering



Lokal  
tilstedeværelse

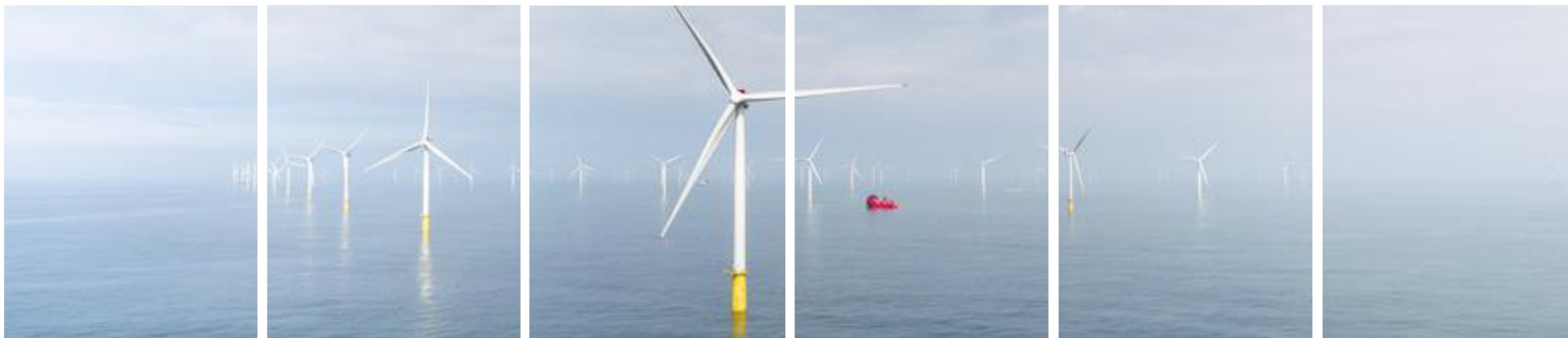


Marine operasjoner  
og vedlikehold



Teknologi og  
innovasjon

# Vi bygger en lønnsom havvindportefølje\*



## Bunnfast

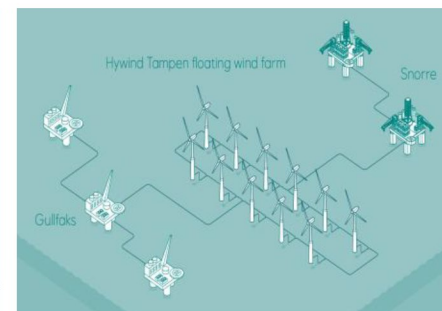
## Flytende

<p>Sheringham Shoal I produksjon</p> <p><b>317</b> MW</p>	<p>Dudgeon I produksjon</p> <p><b>402</b> MW</p>	<p>Arkona I produksjon</p> <p><b>385</b> MW</p>	<p>Hywind demo** In production</p> <p><b>2.3</b> MW</p>	<p>Hywind Scotland I produksjon</p> <p><b>30</b> MW</p>	<p>Batwind Installert</p> <p><b>1</b> MW</p>
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\* Figures: Installed capacity, 100% basis.

\*\* Sold to Unitech, January 2019

# Videre satsing innenfor havvind\*



## Bunnfast

Dogger Bank  
Storbritannia

**3,6** GW

USA Østkysten  
USA

**~ 4** GW

Bałtyk I\*\*, II & III  
Polen

**~2,5** GW

## Flytende

Hywind Tampen  
Norge

**88** MW

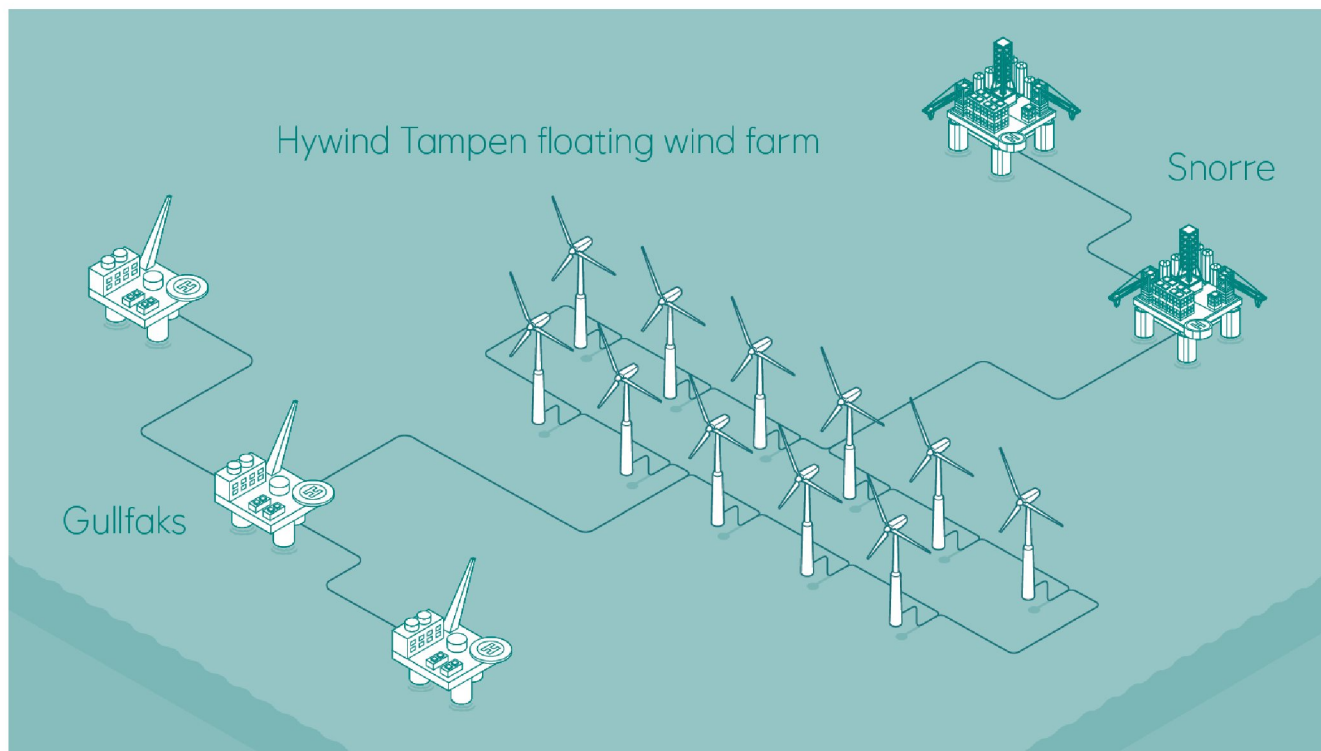
Utvidelse av vår globale posisjon

Storbritannia/Irland, Frankrike, USA, Japan

\* Figures: Installed capacity, 100% basis.

\*\* Transaction subject to closing

## Hywind Tampen – flytende havvind i Nordsjøen



11 vindturbiner mellom  
Snorre og Gullfaks

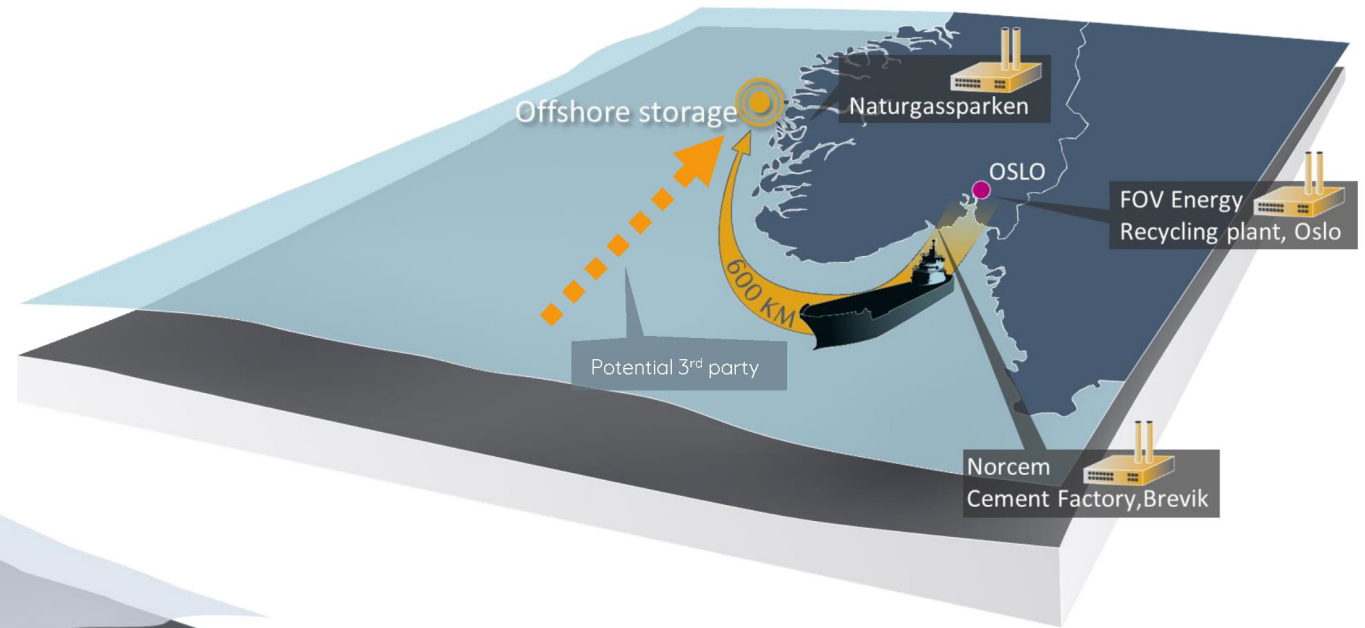
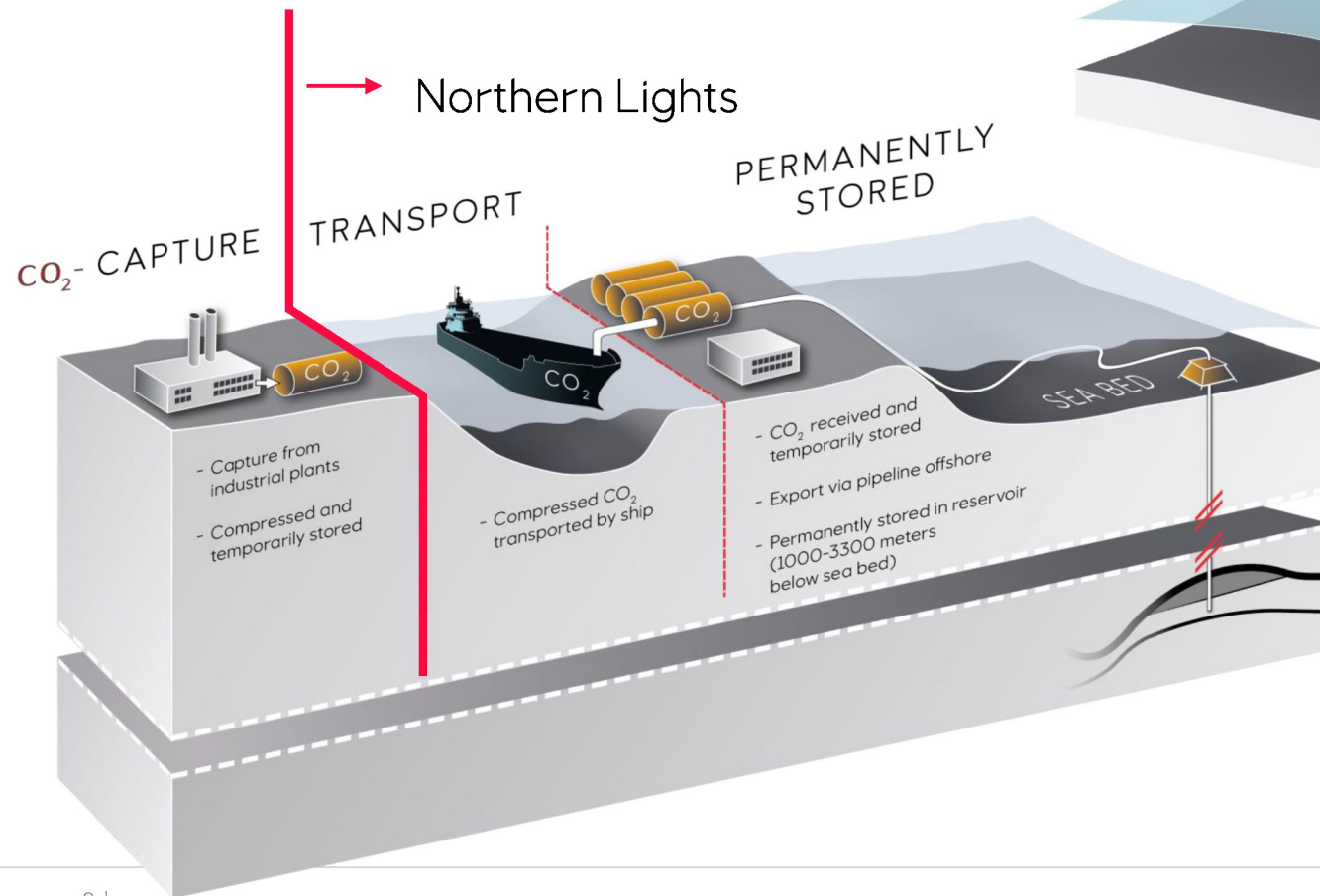
Total kapasitet på  
88MW

Substrukturer i betong og  
delte ankerfester

Betydelige reduksjoner i  
CO<sub>2</sub>-utslipp



# Northern Lights – transport og lagring av CO2



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# Pål Eitrheim

Konserndirektør, Nye Energiløsninger

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