

GASSNOVA'S ROLE IN THE DEPLOYMENT OF CCS



GASSNOVA

Trude Sundset, CEO



THE TIME IS NOW!

No country can reach the Paris Agreement without CCS in industry and energy sectors. This puts pressure on all countries to create a CCS infrastructure sooner rather than later.

‘CCS is an important part of the government’s climate policy, and our ambition is to realise at least one full scale demonstration project for CCS’

Terje Sjøviknes, Minister of Petroleum and Energy





GASSNOVA SF

The Norwegian State Enterprise for CCS

- Manage the State's CCS interests
- Advise the Ministry of Petroleum and Energy
- Contribute to technology development and knowledge-sharing

OUR HOLISTIC APPROACH





CO₂ TECHNOLOGY CENTRE MONGSTAD (TCM)

- The world's largest and most flexible test facility for CO₂ capture
- Aker Solutions, Alstom/GE, Cansolv Tech., Carbon Clean Solutions and ION Engineering
- Share expertise, knowledge and experience
- Owners: Gassnova, Statoil, Shell and Sasol
 - MoU with Total
- Operations for three more years

Norcem Heidelberg
Cement plant



Yara Porsgrunn
Fertilizer plant



Klemetsrudanlegget AS
Waste-to-energy plant

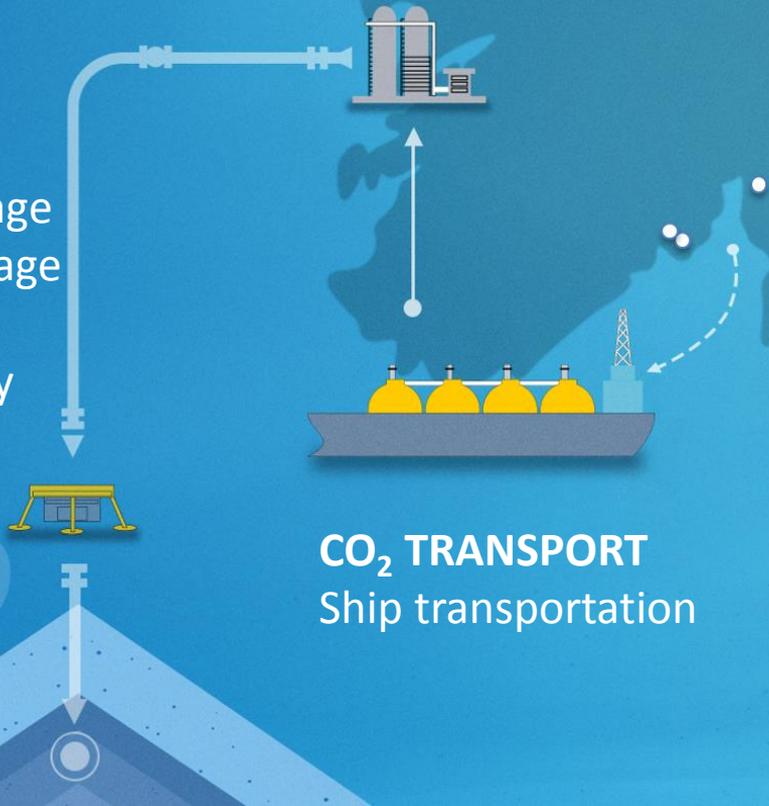


**NORWAY:
FULL-SCALE CCS PROJECT**

NORWAY: FULL-SCALE CCS PROJECT

CO₂ STORAGE

- Intermediate onshore storage
- Offshore storage at Smeaheia
- Large capacity



CO₂ TRANSPORT Ship transportation

CO₂ CAPTURE



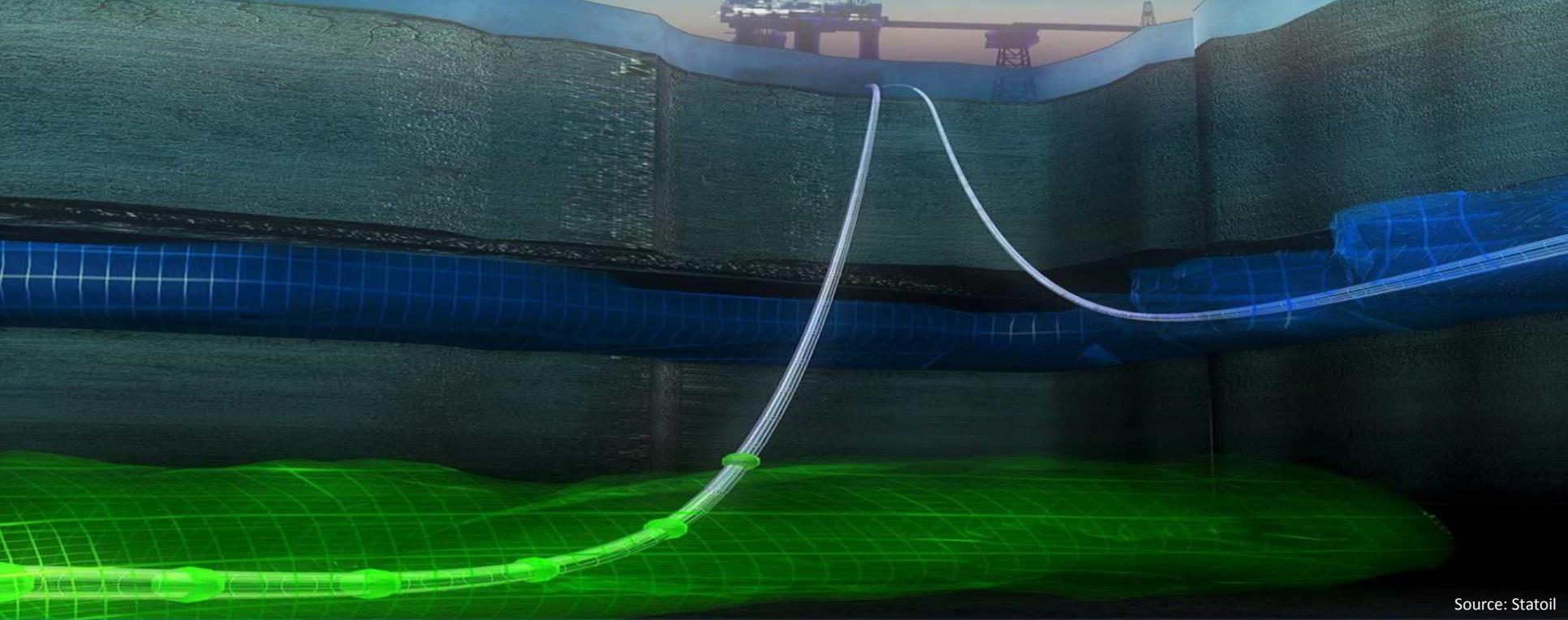
Norcem Brevik
Cement plant



Yara Porsgrunn
Ammonia plant



Klemetsrudanlegget AS
Waste-to-energy plant



Source: Statoil

CO₂ STORAGE

- An offshore storage site in a saline aquifer
- The "Smeaheia" storage located 50 km from the coast
- Large storage capacity (project will utilize < 1%)

The image is a composite graphic with a blue monochromatic color scheme. On the left, the silhouettes of two people are shown; one is pointing towards the right. In the background, an industrial facility with tall chimneys and cranes is visible. On the right side, a map of Europe is overlaid with a complex network of white lines and circular nodes, representing a digital or data network. The overall composition suggests a theme of technology, industry, and environmental science.

**MAYBE WE CAN TURN
THE NORTH SEA INTO
A CO₂ STORAGE HUB
FOR ALL OF EUROPE**