



Ready for take off?

Trude Sundset, CEO
Gassnova SF

Merkel: Europe must unite to stand up to China, Russia and US

German chancellor also shares views on Brexit and climate crisis in interview



▲ 'There is no doubt that Europe needs to reposition itself in a changed world,' said Merkel. Photograph: Hannibal Hanschke/Reuters

“I am firmly convinced that this can only be done if one is willing to capture and store CO₂. The countries in question do not deny this. The method is called CCS – and for many in Germany it is a highly charged term.”


Source: The Guardian



Norwegian
CCS

Germany

Coal
power



**Young people
to advise UK on
hitting net zero
emissions by
2050**

The Guardian

Gassnova – The state enterprise for CCS

- Advisor for the Norwegian Ministry of Petroleum and Energy
- Leads and coordinates research and development in CLIMIT
- Tests technologies from around the world at TCM
- Tracks and coordinates the full-scale CCS value chain



Technology development and knowledge-sharing

R&D&D



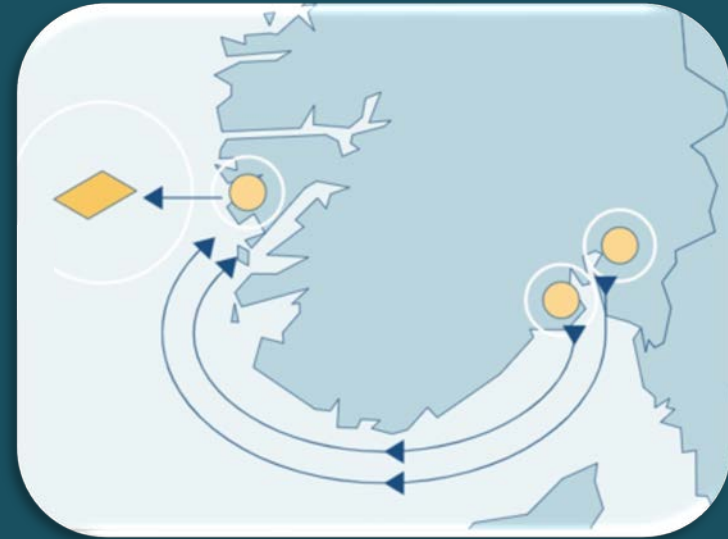
CLIMIT
FME`s
ACT

DEMO



Technology
Centre
Mongstad

Full-scale

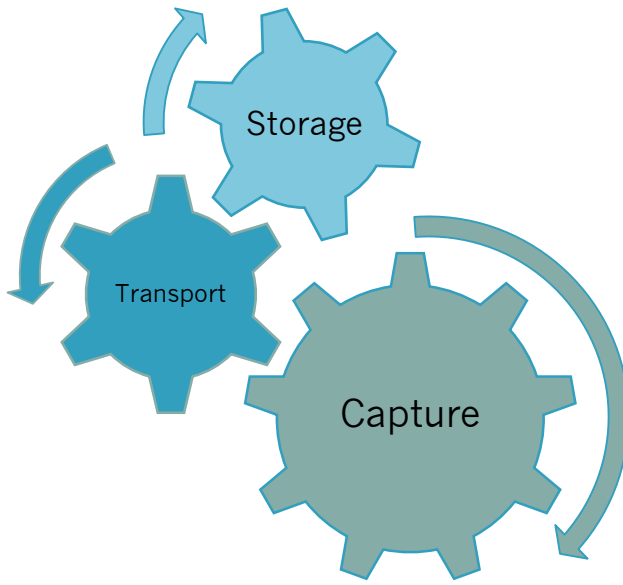


The Full-scale CCS project in Norway

The Full-scale CCS project in Norway



ccsnorway.com



Gassnova's role in the full-scale project

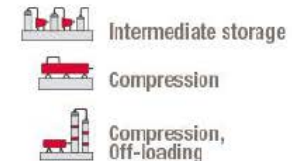
- Coordinate and lead the overall project
- Coordinate work on benefit realization
- Report to the government

Innovative European “3D” project for CCS on an industrial scale

- A consortium of 11 European stakeholders
 - IFP Energies nouvelles (IFPEN), ArcelorMittal, Axens, Total, ACP, Brevik Engineering, CMI, DTU, Gassco, RWTH and Uetikon
- From 6 European countries
- The project has a 19.3 million euro budget over 4 years,
 - including 14.8 million euros in European Union subsidies



— Offshore pipeline
— Ship transport





Showed Norwegian CO₂ technology for EU ambassadors

” Selskap står i kø for å teste teknologi her. Ordreboka er full ut 2022. Interesse har vore stor i mange år, men vi ser eit oppsving etter Parisavtalen.



Store demonstrasjon og annerleste fasilitetar skal likkje europeiske aktarar til Mongstad for å teste ut ny retnings teknologi.



Toffare internasjonale mål om CO₂-fangst, oppnar for auka aktivitet på teknologisenteret på Mongstad. Denne veka var representantar frå 15 EU-land på omvisning.

Byggt Anne Solheim

for nye leverings- og annerleste fasilitetar skal likkje europeiske aktarar til Mongstad for å teste ut ny retnings teknologi. Interesse har vore stor i mange år, men vi ser eit oppsving etter Parisavtalen. EU sine mål for CO₂-fangst er høgt, og det er det berre arbeidsgjevarane som skal byggje full skala. Og når ein skal byggje full skala, er det viktig å ha

Merkel: Europe must unite to stand up to China, Russia and US

German chancellor also shares views on Brexit and climate interview



Europa
Angela Merkel

Stefan Kornelius, Nico Fried and Philip Oltermann in Berlin

Wed 15 May 2019 17:00 BST



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Delighted NORWAY has such a strong voice in this field. We in EU will do all we can to further support CCS.”

Patrick Child, EU Commission



We have never been closer

- Work to do
- Looking for new partners
- Turn Europe's moment of clarity

