

# A broad energy company

with an ambition to be a leader in the energy transition

SUBPRO Symposium November 27'th, 2023

#### OUR STRATEGY

#### Always safe, high value, low carbon



equinor 👯



50 PERCENT Gross capex investments to transition by 2030

40

PERCENT Reduction in net carbon

intensity by 2035

2 | Equinor corporate presentation

#### A WORLD IN CHANGE

# The global energy system is undergoing a transformation

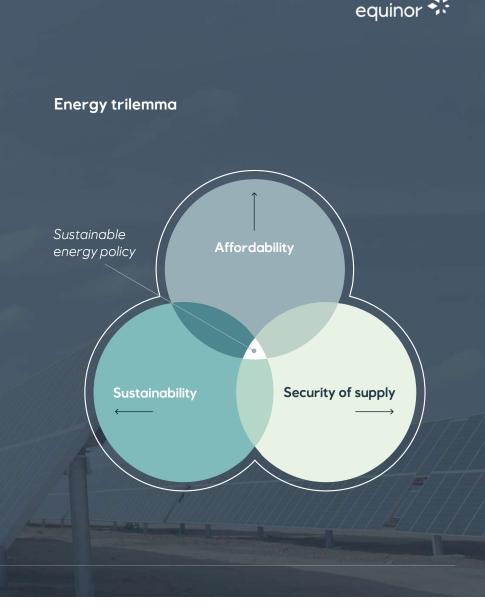
The energy transition is defined by restructuring the energy system in order to deliver sufficient and affordable energy with reduced  $CO_2$  emissions.

The key enablers are:

3 | Equinor corporate pres

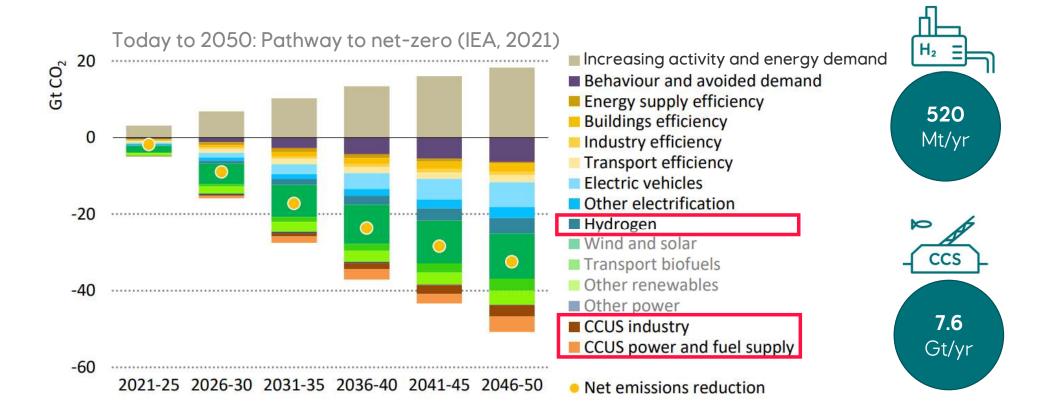
- Energy intensity decoupling economic activity and energy use
- Carbon intensity decarbonising energy use
- Carbon removal removing carbon from the atmosphere

A balanced approach to the 'energy trilemma' together with industry, governments and society at large will be needed for a just transition.





### IEA 2021 scenario Pathway to net-zero



New market opportunities in low carbon solutions





CO<sub>2</sub> transport and storage capacity by 2035 Equinor share



CO<sub>2</sub> transport and storage market share in Europe by 2035



Clean hydrogen projects by 2035

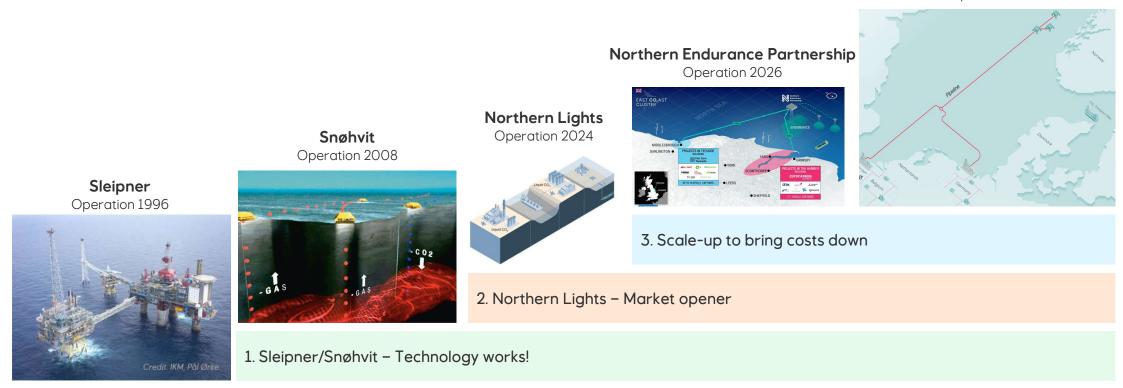
>10% Clean hydrogen market share in Europe by 2035



**Smeaheia** Operation 2028

## CCS is ready to be deployed at scale

... and Equinor is one of the front-runners



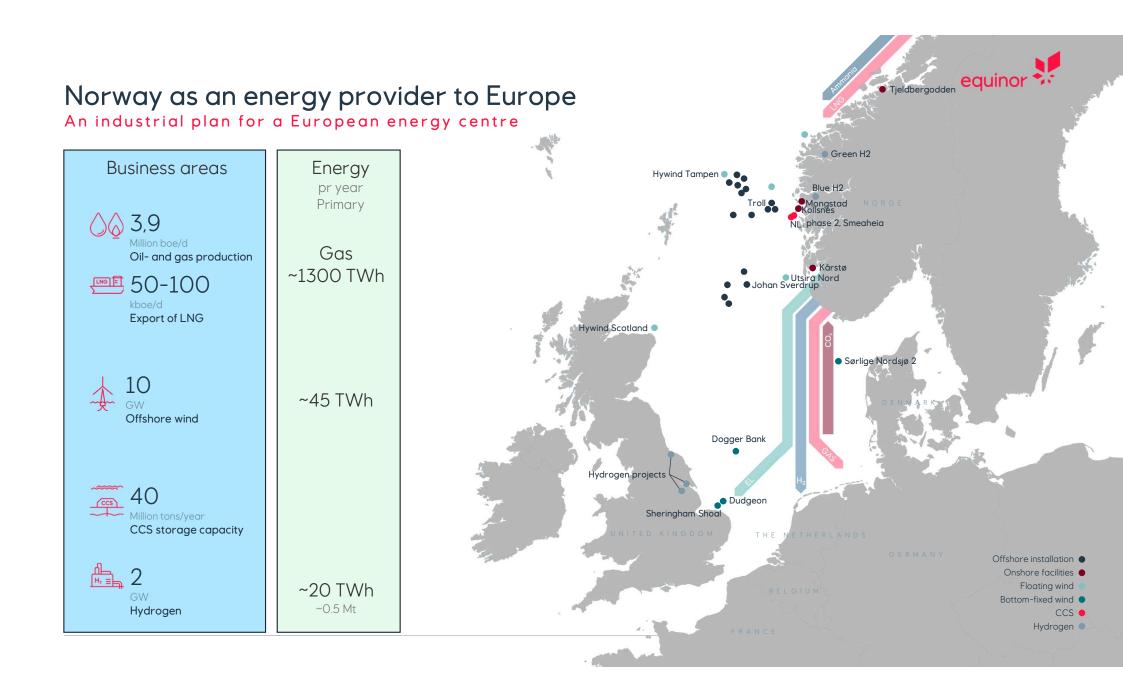
03 November 2023

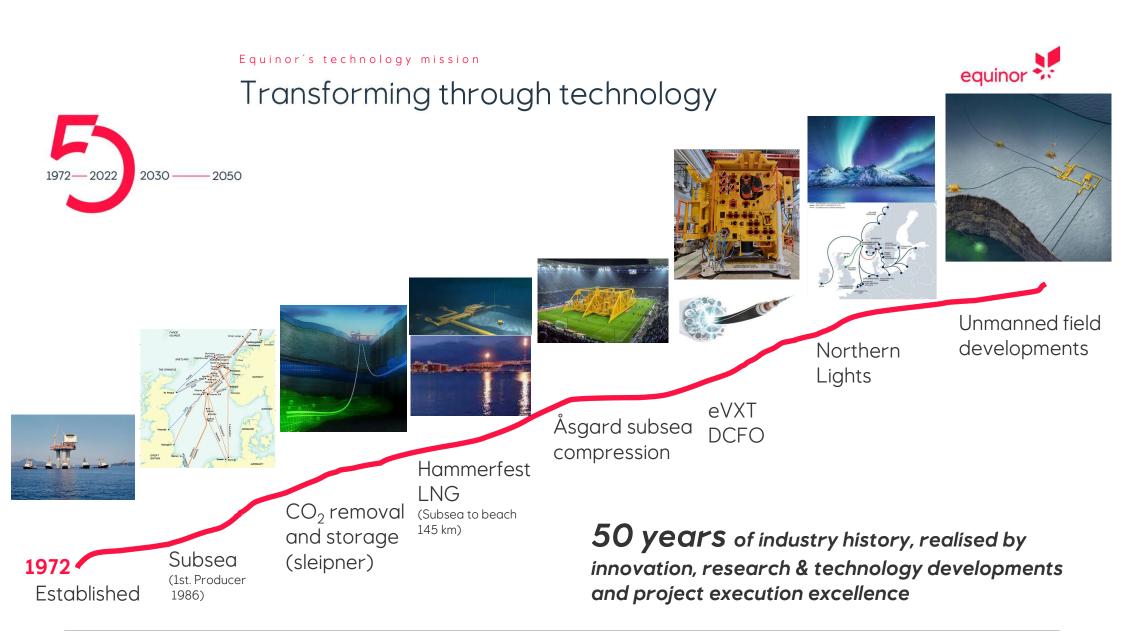


## CCS - Key activities and focus areas

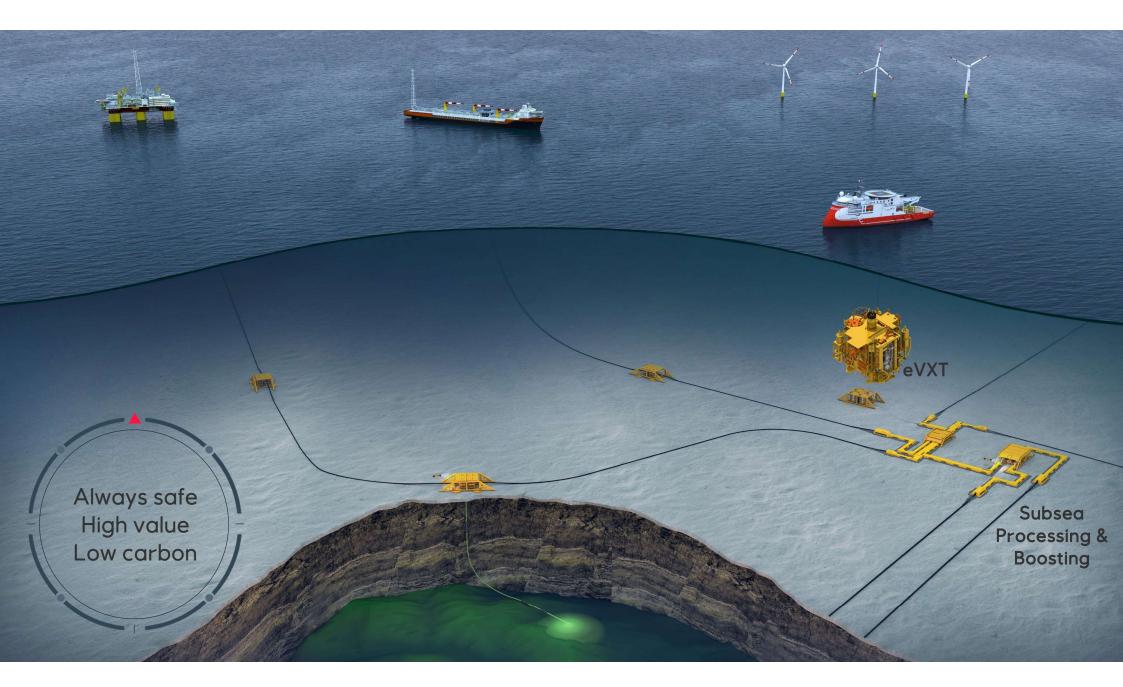


Subpro Zero PhD project: "Systematic methods for smart management of CO2 transport and storage"





03 November 2023



- Hywind SPAR
- Åsgard "subsea" compressors
- Subsea oil storage
- Subsea chemical storage
- Subsea seawater treatment for injection

AL NIA

AND AND A

• «All electric» valves







# Remotely Operated Factory (ROF<sup>TM</sup>) roadmap

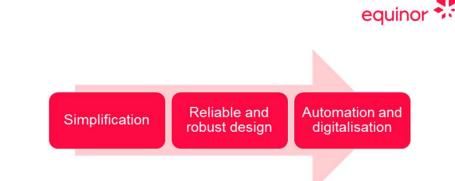


Open

03 November 2023

# Peon UPP concept

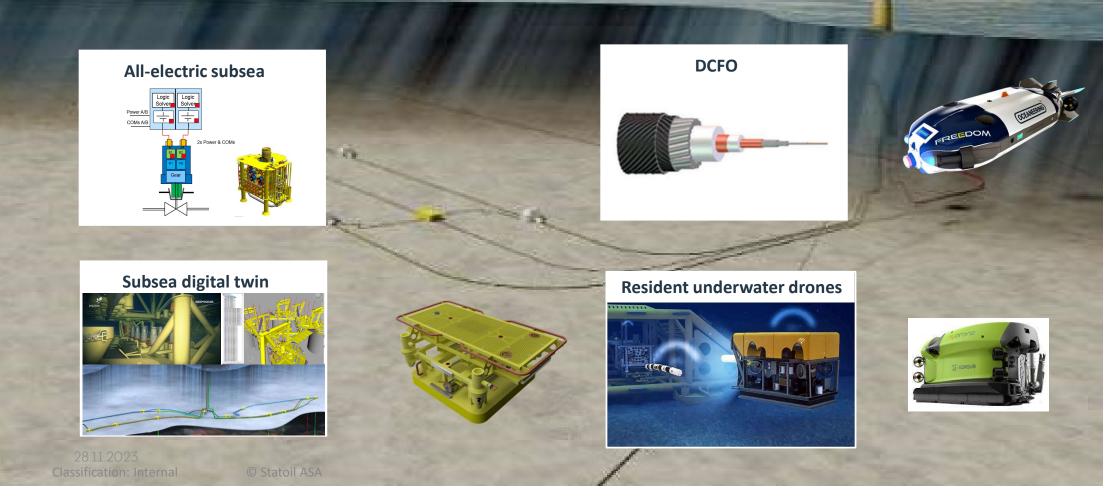




- Simplification
  - No living quarter or shelter
  - No helideck access from Supply Operation Vessel
  - No lifeboats
  - No fire water
  - No insulation (?)
  - No hydraulics / pneumatics all electric
  - Hywind Spar hull no utility systems in spar
- Reliable and robust design
  - Robust equipment selection
  - High material quality
- Automation and digitalisation

Open

# Peon - Subsea digital technologies



## Thank You

Andreas Jagtøyen, SVP TDI Renewables & Low-Carbon

#### © Equinor ASA

This presentation, including the contents and arrangement of the contents of each individual page or the collection of the pages, is owned by Equinor. Copyright to all material including, but the limited to written material photographs, drawings, images, tables and data remains the property of Equinor. All rights reserved. Any other use, reproduction, translation, adaption, arrangement, alteration, distribution or storage of this presentation, in whole or in part, without the prior written permission of Equinor is prohibited. The information contained in this presentation may not be accurate, up to date or applicable to the circumstances of any particular case, despite our efforts. Equinor cannot accept or y liability for any inaccuracies or omissions.

equinor