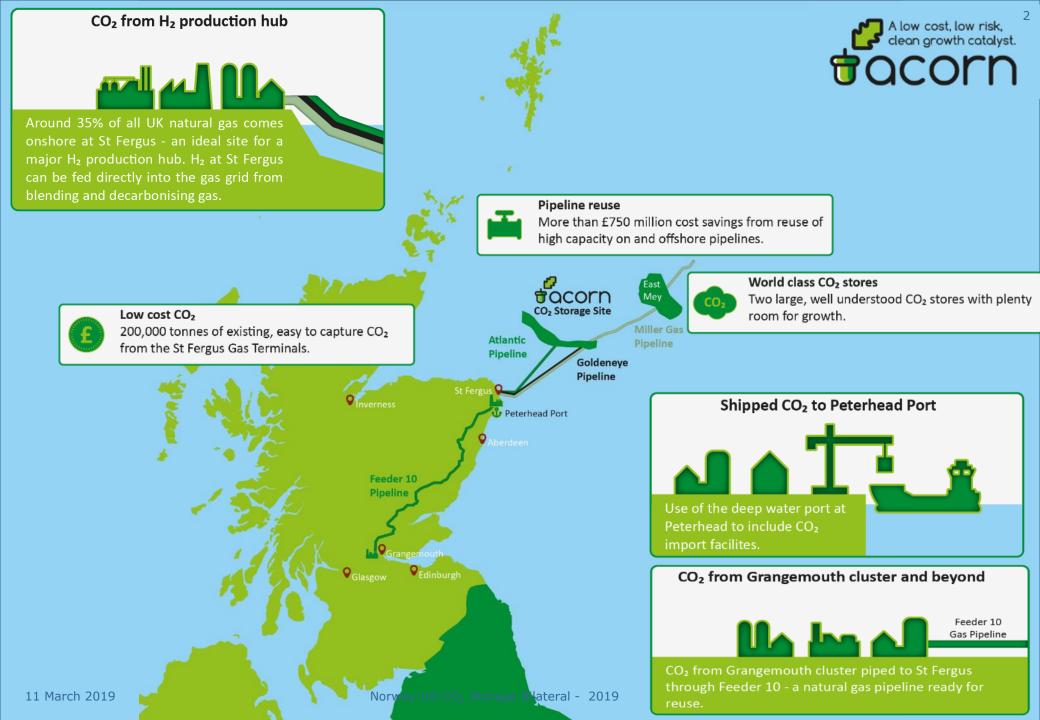
Pale Blue Dot.

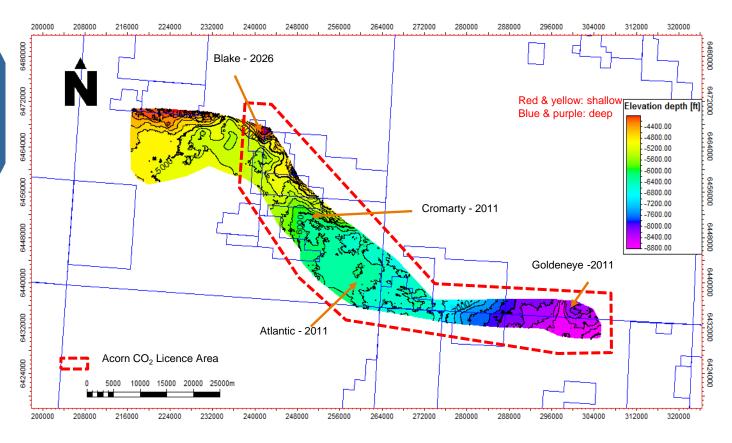
UK Offshore CO₂ Storage - Acorn

Norway-US Bilateral - 27 February 2019 Steve Murphy



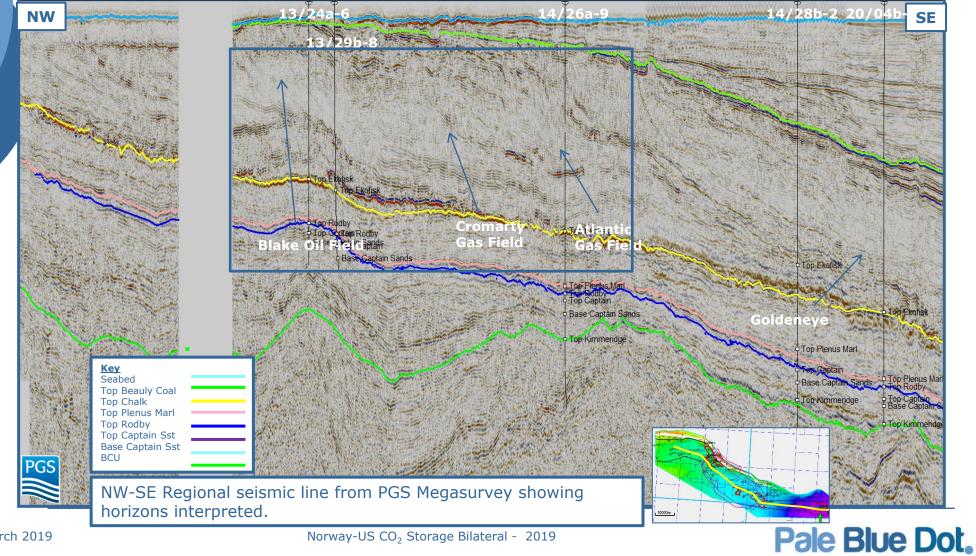


Acorn CO₂ Store



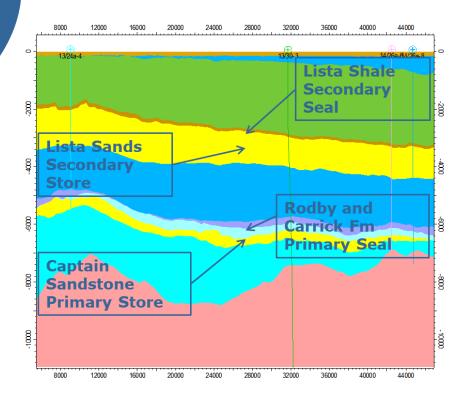
- Hybrid depleted gas field - aquifer
- High injectivity
- Hydraulically connected
- o Robust containment

NW-SE Captain Fairway

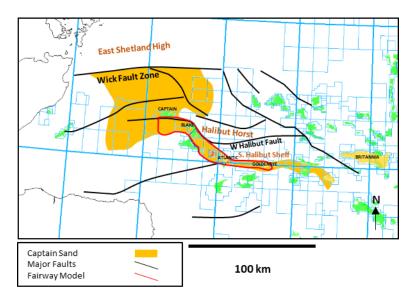


Robust Containment System

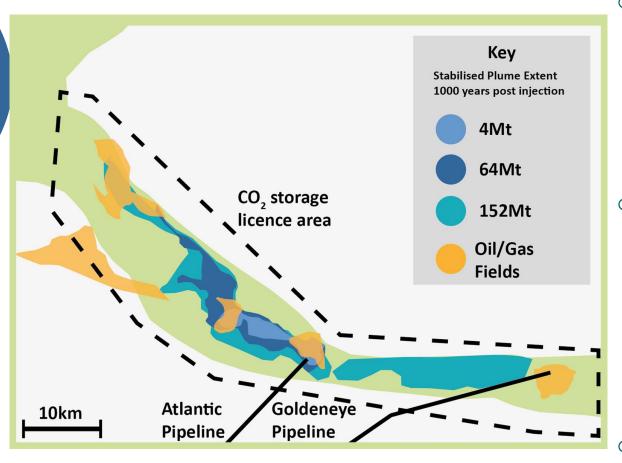
Vertical containment assured by multiple seals



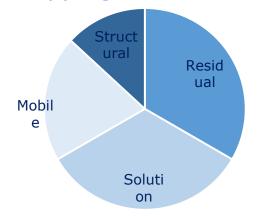
Lateral containment assured by major structural & depositional features



Storage Resource and Plume Extent



- Plume extent influences:
 - Development plan
 - Top structure
 - Dip
 - High permeability
- Trapping mechanism



Multiple injection sites required to develop store