

## Hydrogen Storage Project | 2022

Kellas Midstream Limited

Customer: Managing Director, New Energies

**Project phase:** Appraise, Select

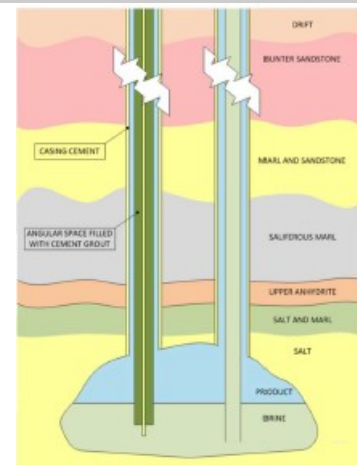
**Dundas scope:** Project framing to establish goals, scope and priorities  
Due diligence – review of data room on acquisition opportunity  
Feasibility assessment  
Cost estimation (OPEX, ABEX, CAPEX) for new build and acquisition  
Quantification of storage volume requirements

### PROJECT DESCRIPTION

Kellas Midstream Limited is an independent energy infrastructure company with an established portfolio of critical assets in the Central and Southern North Sea. Kellas is studying a large scale Hydrogen project.

The project involves building a reformer at the Kellas Teesside plant to convert natural gas to Hydrogen, with sales to multiple heavy industry consumers in the Tees valley to help them to decarbonise.

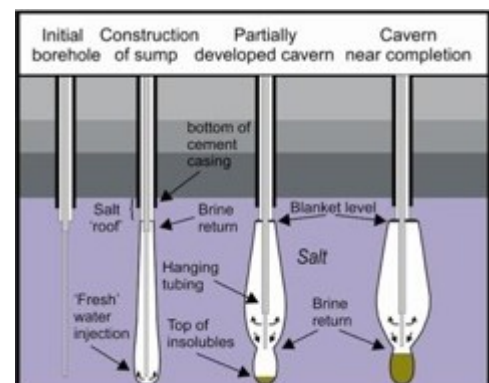
Kellas retained Dundas consultants Ltd to provide multi-disciplinary advisory support when an opportunity arose to purchase an existing salt cavern based hydrogen storage facility.



### DUNDAS ROLE

Dundas assisted with a multi-discipline team effort including:

- Due-diligence:
  - Well engineering - condition and risk assessment of existing well stock
  - Facilities condition and risk assessment
  - Cost and schedule review
  - Detailed advice on next steps
- Project management – Dundas carried out a desktop framing exercise to establish success vision, decision hierarchy, decision based plan, critical success factors, risks and opportunities and strategy tables
- Engineering – required storage volumes were calculated along with cost and schedule estimates for new build facilities to compare with the acquisition opportunity



Clear recommendations were made to Kellas senior management in a formal written report.