



## Irish Sea Hydrogen Storage Project | 2023

### Galetech Energy Developments Ltd

Customer: Managing Director

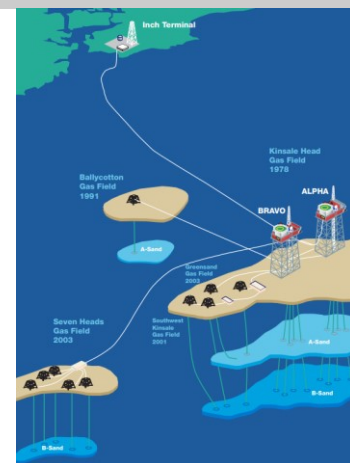
**Project phase:** Appraise

**Dundas scope:** Feasibility assessment  
 Preliminary design of substructure, topsides, subsea scope and wells  
 Cost estimation (OPEX, ABEX, CAPEX, DRILLEX) for new build  
 Quantification of storage volume requirements

### PROJECT DESCRIPTION

Galetech Energy Developments Ltd was studying options for a Hydrogen storage project off the Southern coast of the Republic of Ireland in the Celtic Sea. The exact location of the Hydrogen storage project in the Celtic Sea is under review and is dependent upon a number of factors. In order to enable an initial facilities scoping level design and cost estimate to be prepared it was assumed that the storage project is located at the Ballycotton depleted gas reservoir

Galetech retained Dundas consultants Ltd to provide multi-disciplinary advisory support.



### DUNDAS ROLE

Dundas assisted with a multi-discipline team effort including:

- Preparation of Basis of Design including metocean data
- Process and facilities design
- Substructure design
- Weight estimates
- CAPEX, OPEX, ABEX estimates
- Well design
- Well cost estimates
- Operations and manning philosophy
- Relief, blowdown and metering philosophy

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

