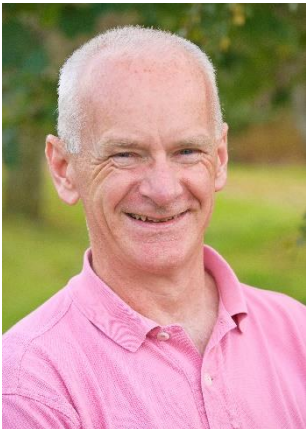


Pale Blue Dot.

Acorn

GCCSI European CCS Forum
26th October 2017



2007 – new company, new idea – Acorn

2011 – 50/50 JV partner for Goldeneye Store

2017 – Acorn gathers momentum

Acorn – reuse, scalability & optionality

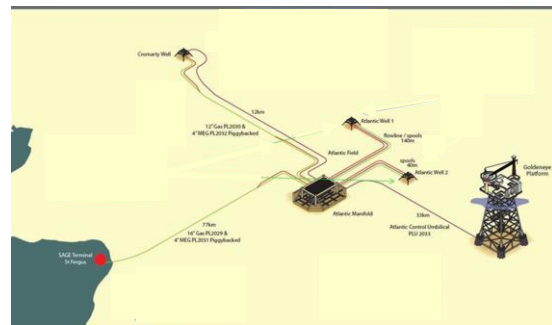
Capture



St Fergus gas terminals

Existing capture plant + option for new build

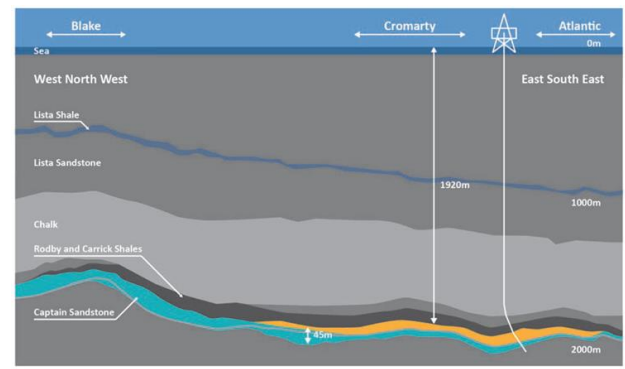
Transport



Atlantic & Cromarty pipeline

Existing pipeline + 2 other options

Storage

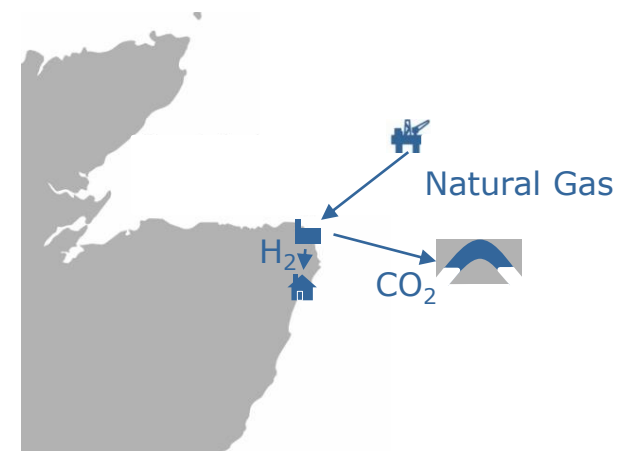


Captain aquifer

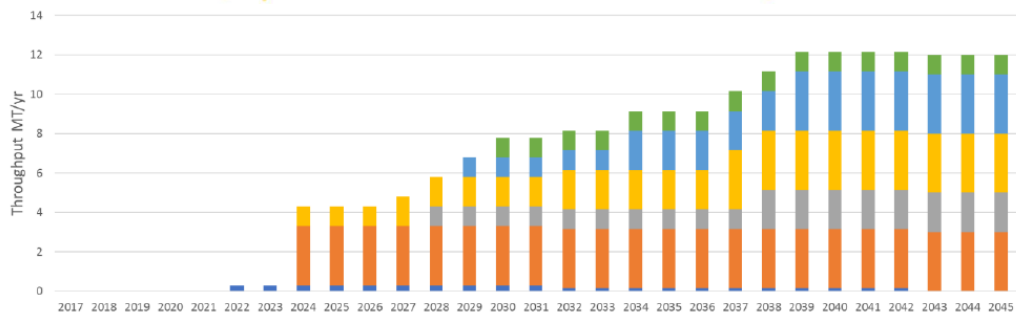
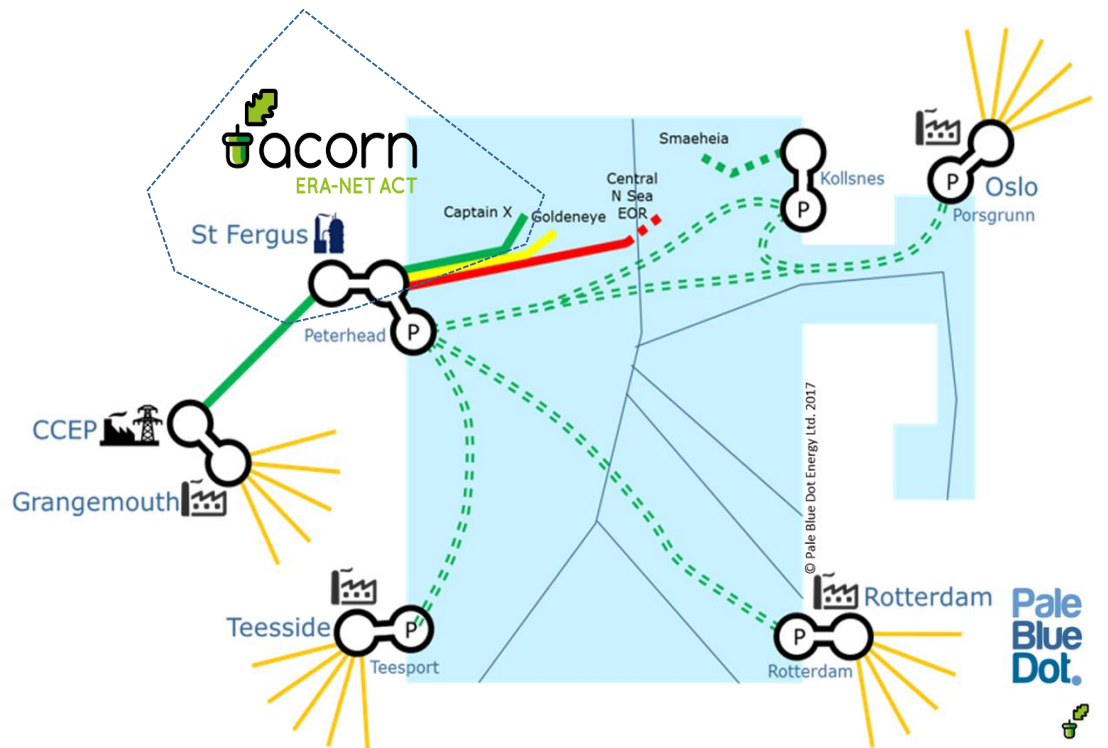
Well appraised store + alternative sites

The key – Decarbonising heat

- Manufacture hydrogen from natural gas
- Use the hydrogen for heating and transport
- Blend H₂ into the HP gas network, as a substitute for gas
- Deliver H₂ via the LP gas network, switching from gas
- CO₂ piped offshore for sequestration



Upscaling Acorn



- Readily scalable
- Multiple sources
- Multiple pipelines
- Import option
- Multiplicity of storage sites
- Pan-European

Contact Us



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