small pools: using technology, efficiency and innovation as project enablers

Richard Hinkley
General Manager, Projects and Future Growth
focus on unlocking marginal fields to deliver mid-term value

**Infrastructure access**
- Implementation of hub strategy
- Unlock new barrels, whilst providing options for extending field life of existing assets

**Collaboration**
- Leverage broad community
- Joint project management
- Aligned operational readiness

**Technology can unlock barrels**
- Remains a key enabler

**Coupled with efficiencies**
- Leverage Oil & Gas UK Efficiency taskforce
Alder
discovered in 1975 and enabled by new technology

Latest development in Greater Britannia hub area:
• Britannia, Brodgar, Callanish, Enochdu

Alder gas condensate field
• HPHT field - 12,500 psi, 155 °C

Complex development
• 28 km subsea tie-back to ConocoPhillips operated Britannia

Three year development project
• FID – 1Q 2014
• First gas – 4Q 2016
• Safe start up and ramp up to production capacity ~ 30 MBOED
highlighting key technologies
Mature Field: Start-up in 1997
New technology at the time: Long reach horizontal wells, hydraulic pumps, geo-steering
Two successful subsea expansions (‘01, ‘06)
Future opportunity: Marginal barrels require a new approach
captain satellite
what can make it happen?

Leverage: Oil & Gas UK Efficiency Taskforce

- Process
- Hardware Selection
- Codes, Standards & Specifications
- Alternative Methods & Technologies

‘Adopt’: Existing technologies and learnings from Captain
‘Adapt’: Ideas from Industry
responding to the challenge
a new era of alignment

Together we can:

• Find the balance between initial cost and life of field reliability

• Deliver capital efficiency gains

• Realise the potential of small pools