The Greater Britannia Area – History, Integration and Beyond

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Agenda

GBA Area

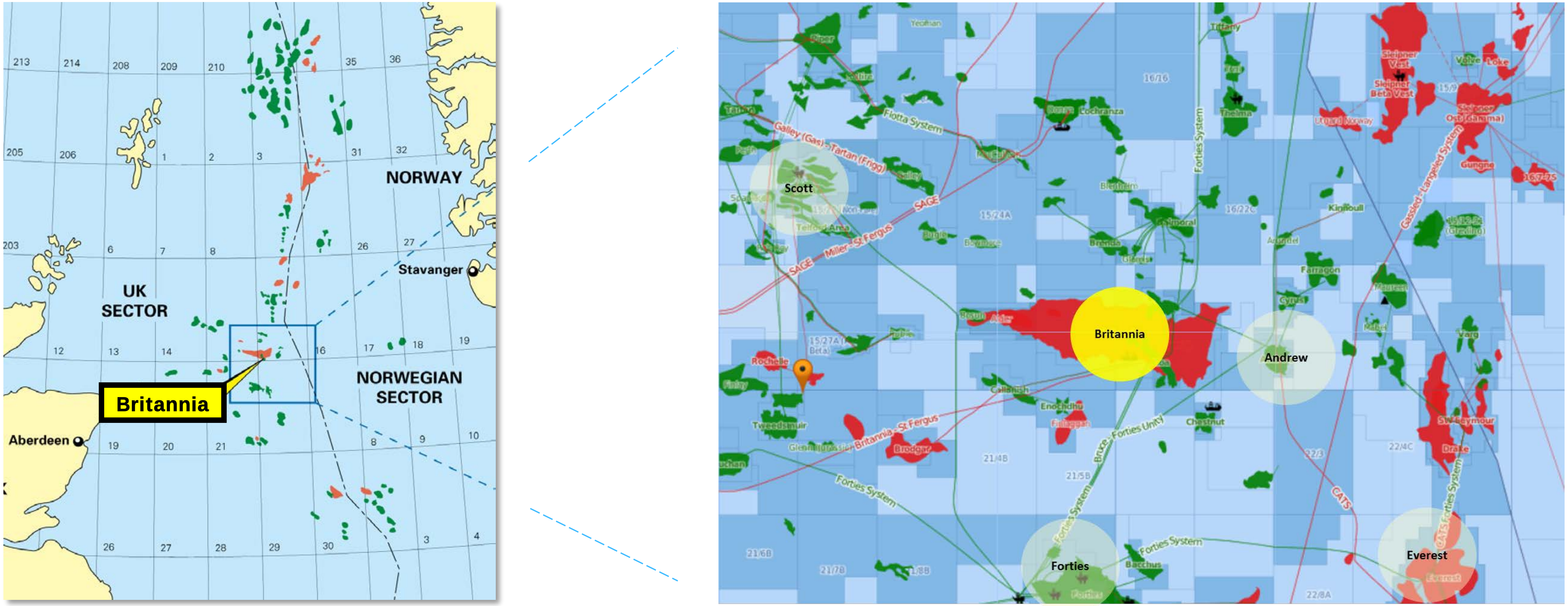
History

BOL Integration

Beyond

- Greater Britannia Area
- Infrastructure
- GBA Assets
- Field History
- GBA Operatorship
- BOL Integration
  - Why?
  - How?
- What's next
- Questions

Geographic overview



Area infrastructure

GBA Area

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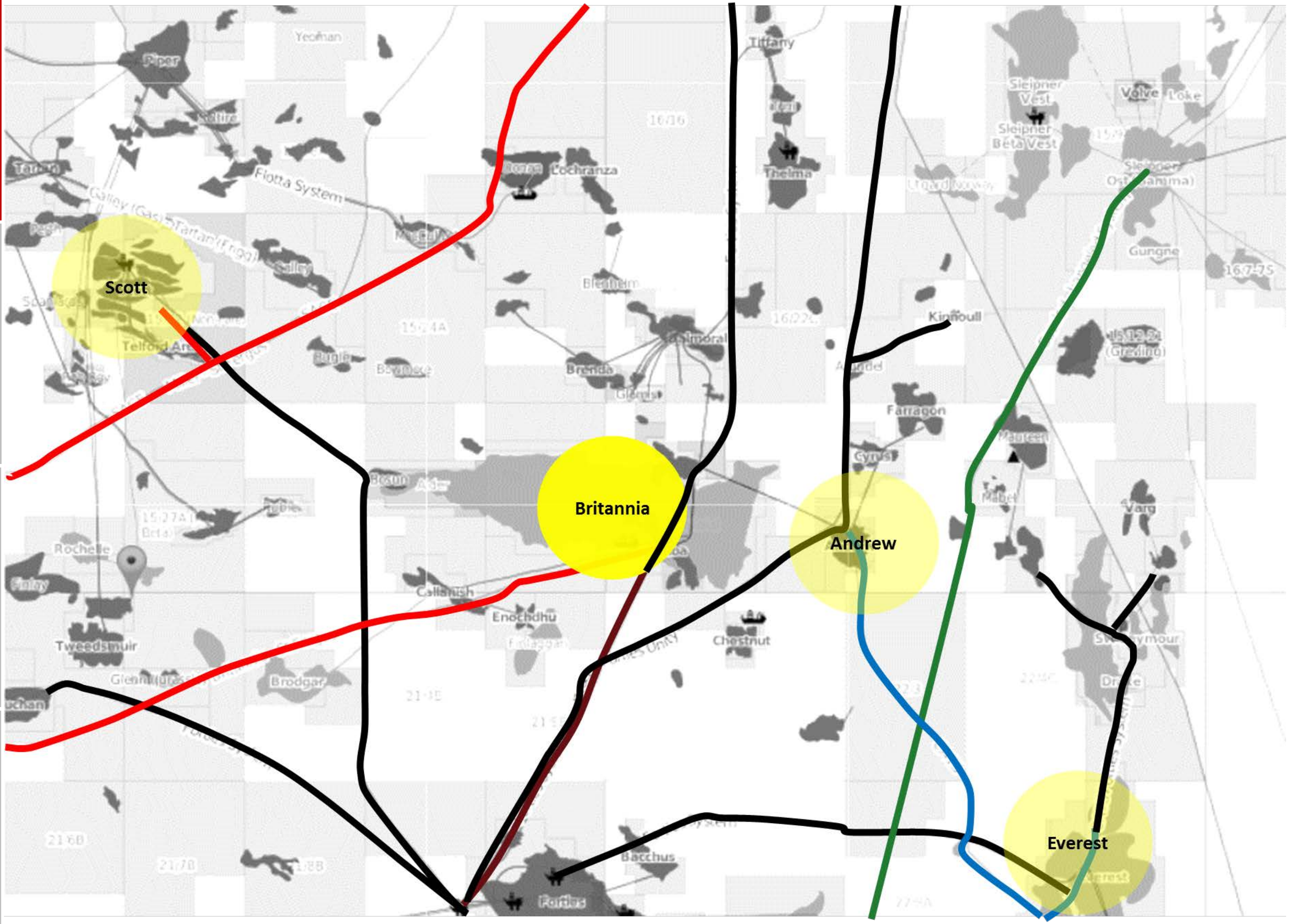
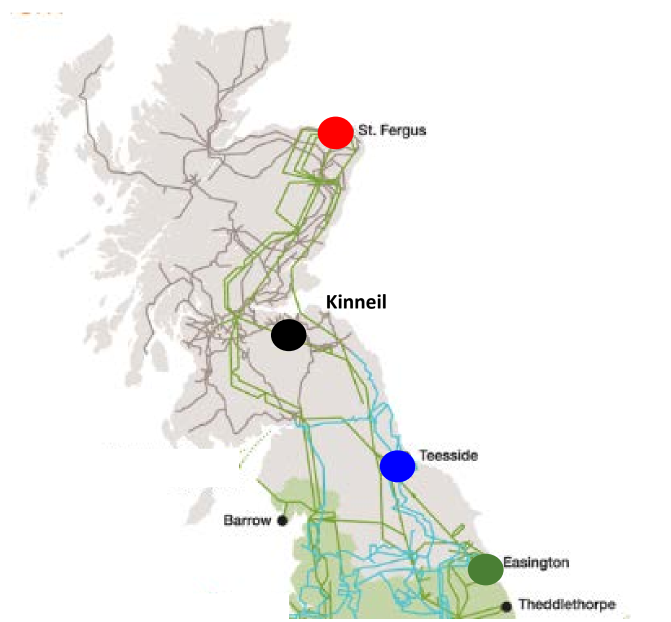




Gas Export Routes

SAGE

CATS

Gassled-Langeled

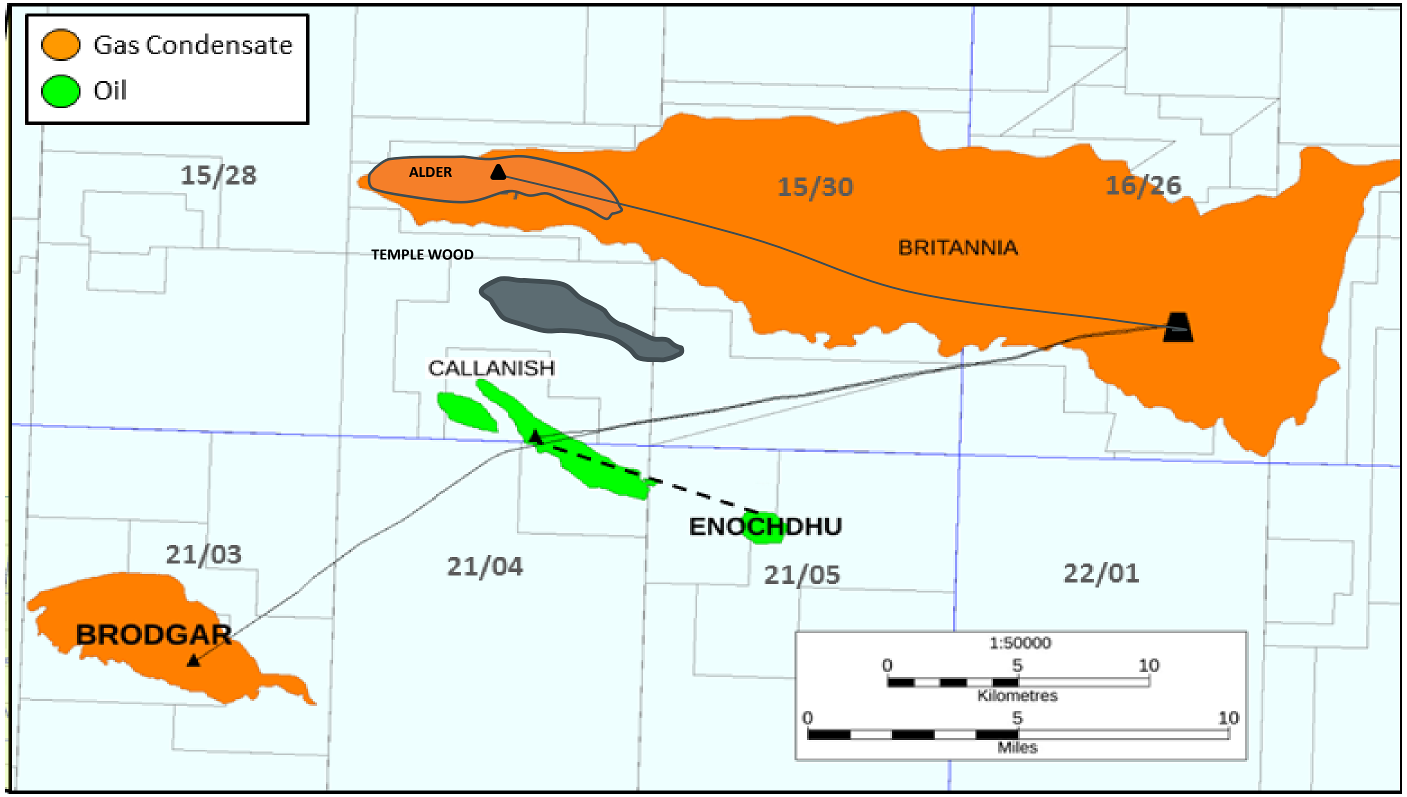
Liquids Export Routes

Forties

FPSO

Greater Britannia Area overview

- Legacy asset with infill potential and exploration prospect
  - 2nd largest gas producer in UKCS
  - Excellent safety and operational performance
  - Further Britsats opportunities
- Challenges
  - Offset production decline
  - Thrive in volatile price environment
- External Factors
  - Britannia strongest gas hub in area
  - Dedicated infrastructure for gas and liquids
  - Co-venture alignment



1, Remaining in 2017 LRP

Greater Britannia Area assets

Alder

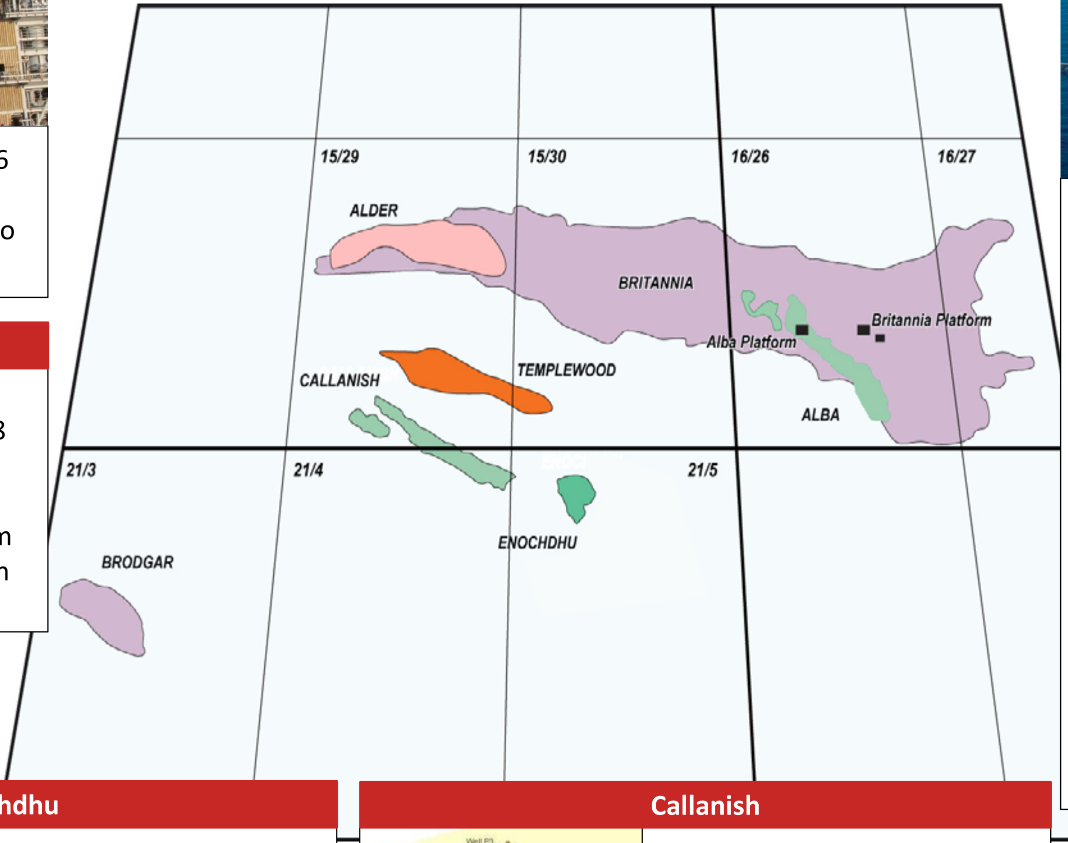
- First production Nov 2016
- Single well development
- 27 km 16”/ 10” tie-back to 800T module on BLP

Brodgar

- First production July 2008
- 2 subsea wells initially
- H3 currently producing
- 12” tie-back to BLP, 42 km
- Continuous MEG injection

Britannia Subsea

- First production 1998
- 14 well slot manifold, 10 drilled ; 4 still producing
- Tied back to Britannia via a 37” carrier / 14” production pipeline



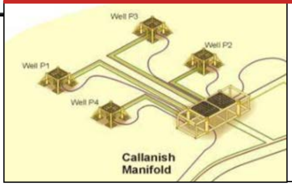
Britannia & BLP Platforms

- First production in Aug 1998
- Hub Processing and Export Facility
- 36 well slots
  - 47 wells drilled
  - 2/3 on production
- 3-Phase separation plus gas and liquid processing to export specification
- Design export capacity
  - 815 MMSCFD gas
  - 72,000 bpd oil/condensate
- Export routes
  - Gas via dedicated line to SAGE
  - Liquids to FPS
- Offshore POB 184

Enochdhu

- First production June 2015
- Single well development
- 8km tie-back to Callanish

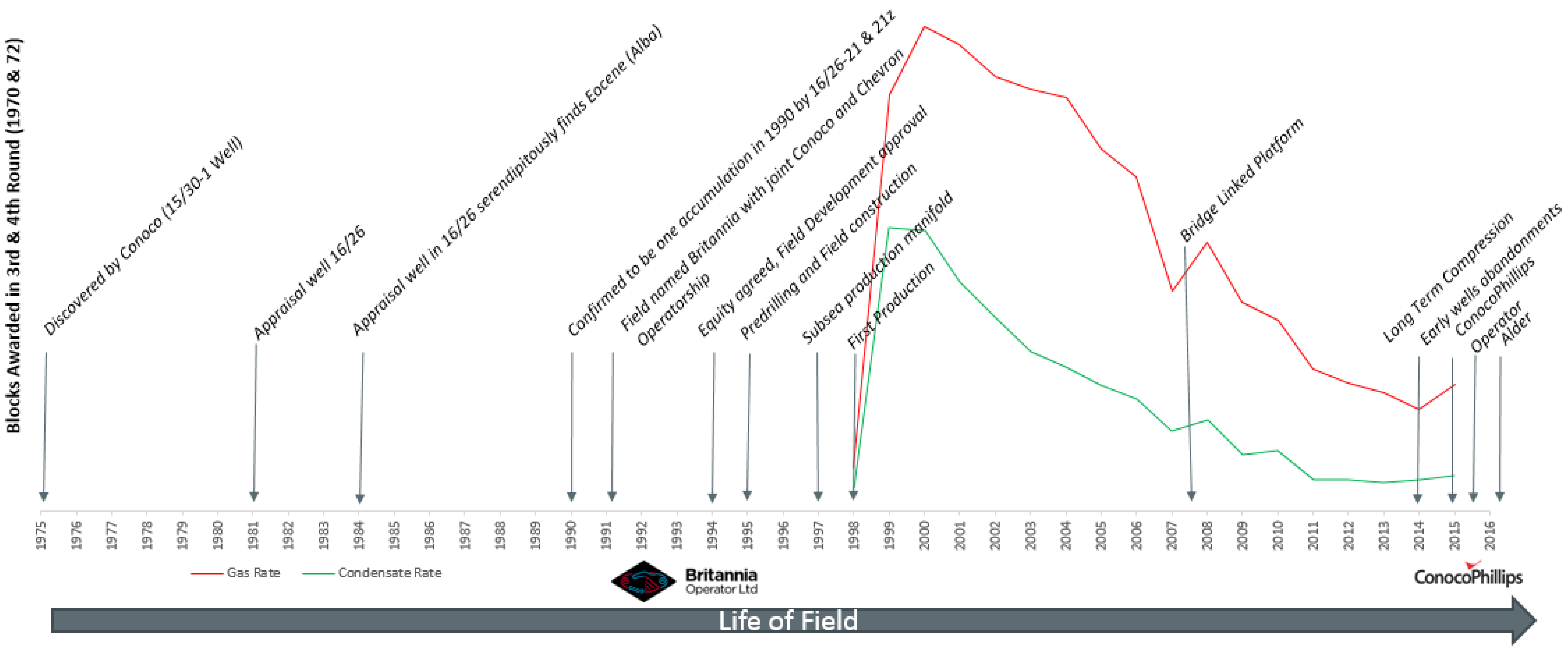
Callanish



- First production July 2008
- 4 wells, gas lifted
- 12” tie-back to BLP, 25km

Britannia timeline

- GBA Area
- **History**
- BOL Integration
- Beyond



Britannia field development history – Exceeding expectations

GBA Area

History

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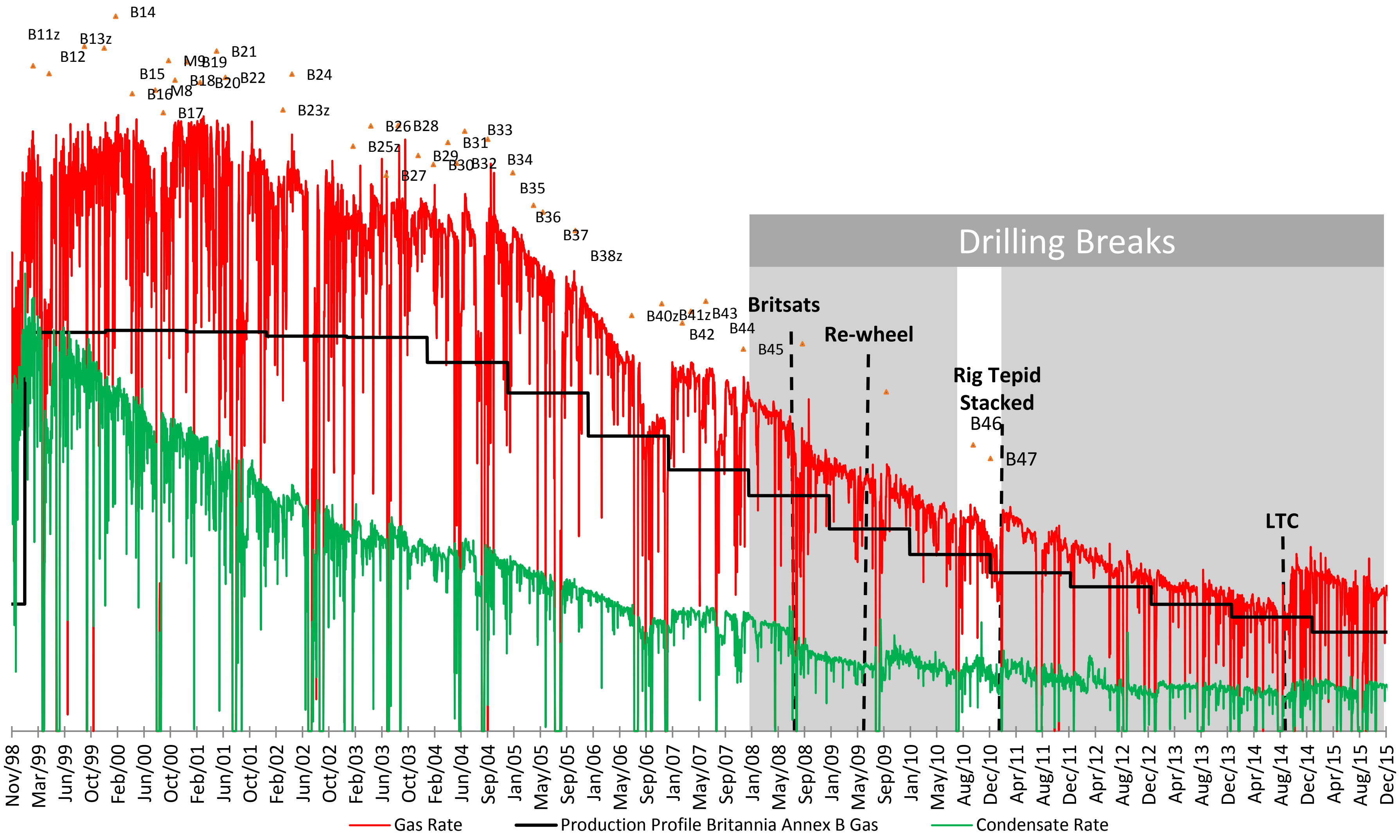

Britsats timeline

GBA Area

History

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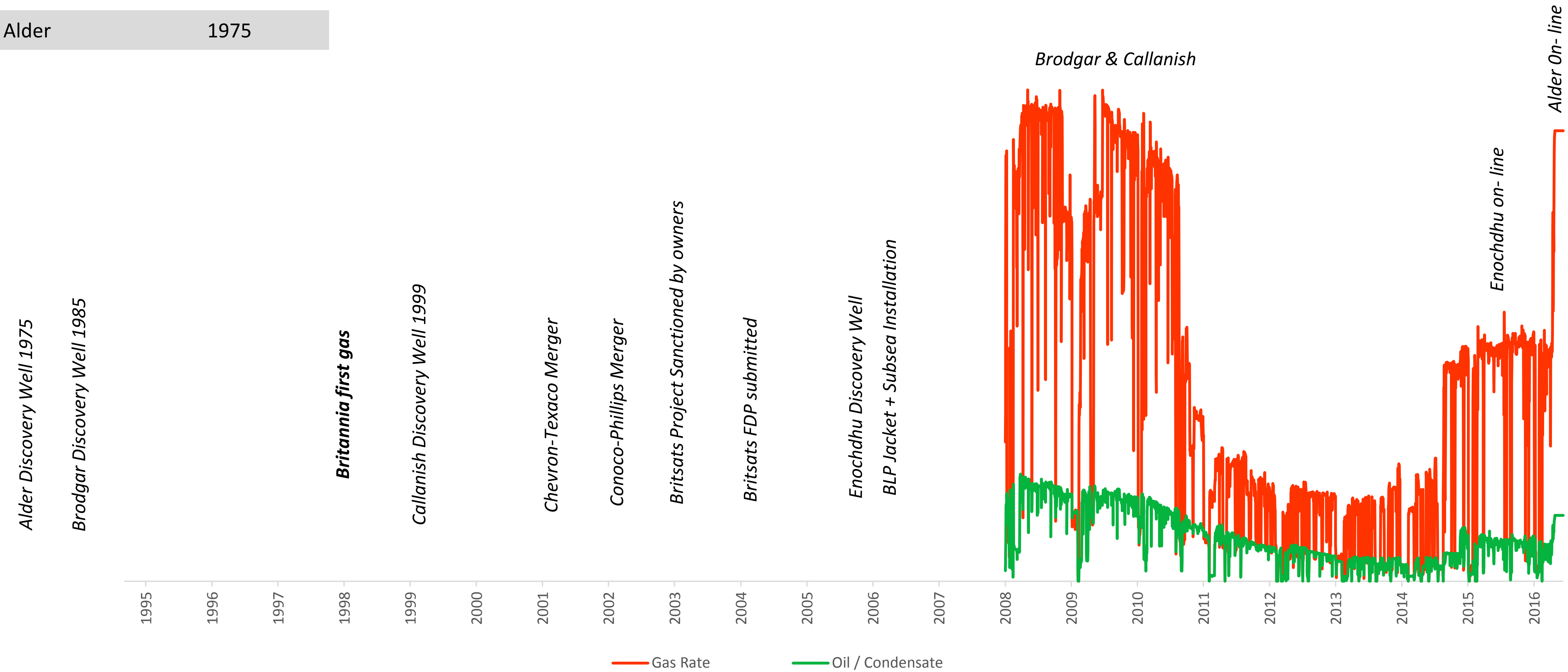
Discovery	Year
Brodgar	1985
Callanish	1999
Enochdhu	2005
Alder	1975



Operatorship

1994 – 2015

- Britannia Operator Limited created 1994
- Two shareholders (COP, CVX)
- 370 onshore staff
  - 1/3 ConocoPhillips / Chevron
  - 2/3 Contract (Petrofac, AMEC, Lockheed Martin etc.)

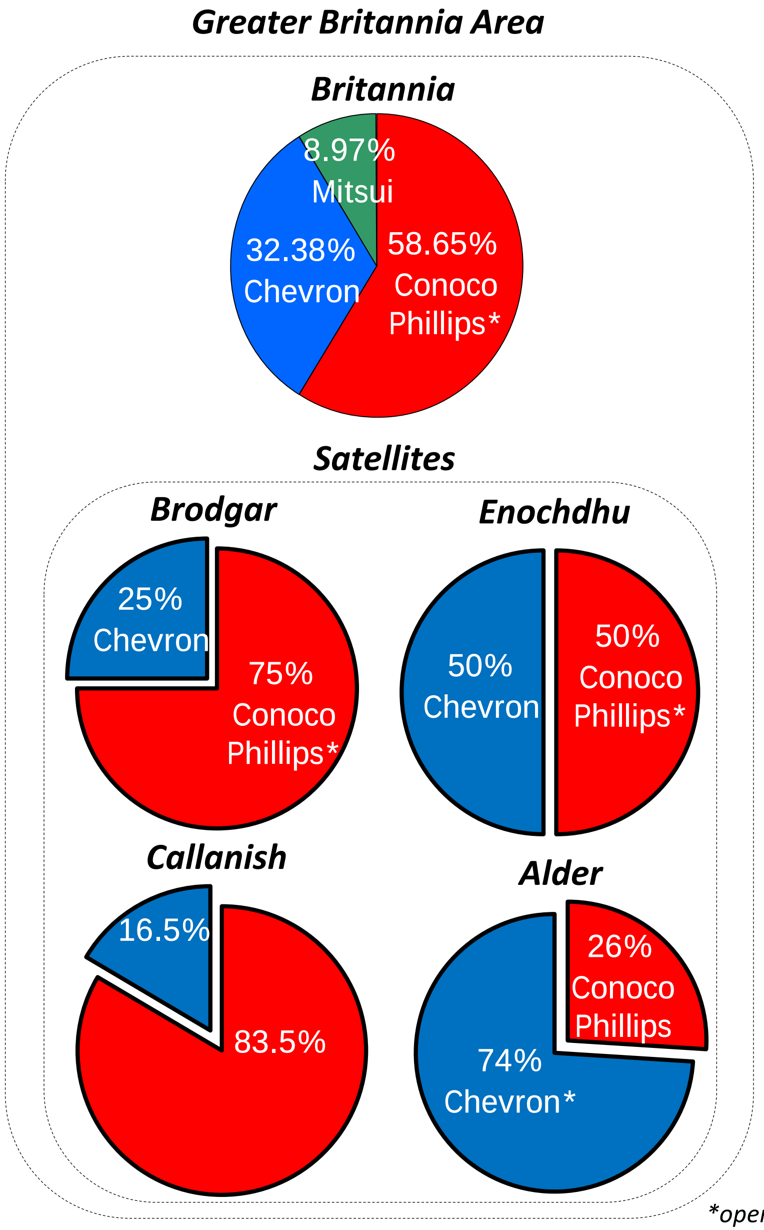
Britannia Operator Ltd

ConocoPhillips *50%*

Chevron *50%*

2016 and beyond ……

- ConocoPhillips operated assets*
- Reducing complexity
- Retain equity model



*operator

*** Chevron operates Alder**

BOL Integration – drivers and method

Driver

Why Integrate?

- Seek further efficiency improvements
- Larger pool of resources available where and when required
- Reduce headcount and OPEX

Integration Objectives

- Maintain safe and reliable operations
- Achieve sustainable cost reductions
- Successfully incorporate secondees

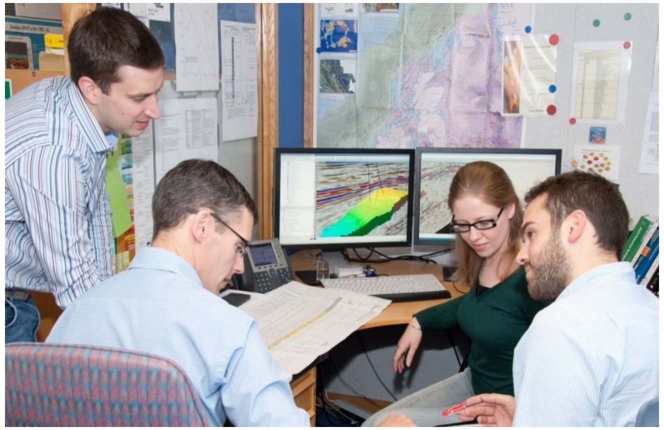
Method

Identify risks, issues, actions by function → Agree required actions, owners, due dates → Define launch state for Day 1 → Execute integration actions for Day 1 → Execute integration actions for full integration

- Management Of Change
- No external support
- Dedicated integration team

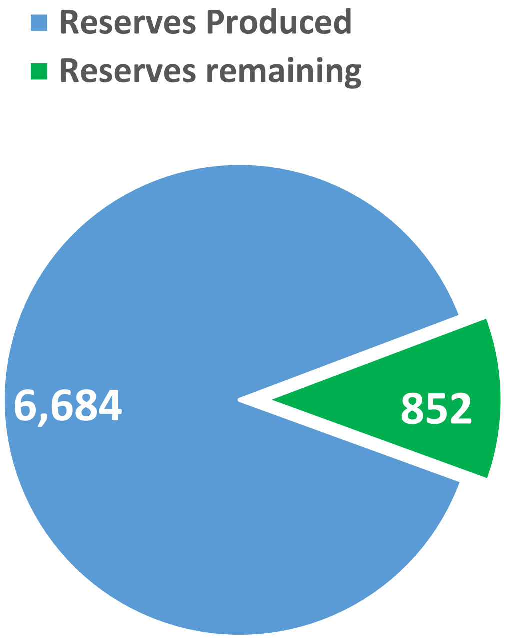
Integrated Operations - onshore operating centre

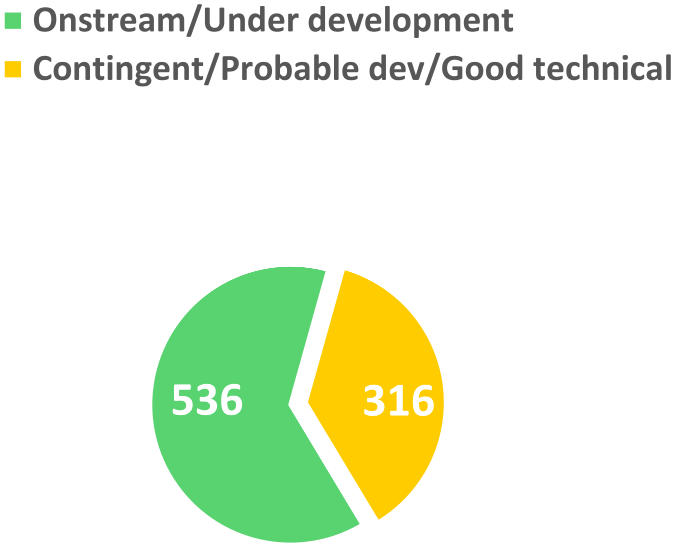
- State of the Art Onshore Operating Centre
- One Operating Model
  - Reduce Risk
  - Improve Efficiency
- Through
  - Collaboration
  - Innovation & Technology
  - Simplification & Standardisation



Britannia – the key gas hub in the region

Field Status	Number of Fields
On-stream	37
Under Development	2
Ceased Production	13
Abandoned	7
Contingent	30
Probable Development	2
Good Technical	2
Total number of fields <60KM from Britannia	93





- Forties: ~50%
- Britannia: ~10%
- Other Fields >100mmboe: Alba, Scott Andrew, Telford Area, Everest, Flemming, Balmoral

- Forties & Britannia still largest remaining volumes
- Currently no C/P/GT fields above 50 mmboe

Source: Wood Mackenzie

Greater Britannia Area next steps

GBA Area

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BOL Integration

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- Evaluate further infill drilling
- Screen area for ILX opportunities
- Aligned with OGA and supporter of the MER principle
- Strong hub for equity and third party production

Thank You

Questions?