



MER UK Forum, October 2016 MER UK in Practice

Dr Andy Samuel Chief Executive

Current context



Infrastructure

5,000+ wells 250+ subsea systems 3,000+ pipelines 250 fixed installations





Source -OGA

Costs

Unit costs down by nearly 30%

Average unit operating costs have fallen from £18 per barrel in 2014 to an estimate of £13 per barrel in 2016

Production (boepd)			
2014	1.4 million		
2015	1.6 million		
2016	1.6+ million		

Development 6.3bn boe

or under development

Source - OGA and Oil & Gas UK

Source -OGA

Supply chain

c.£30bn turnover

80% of UK oil and gas jobs40% through exports

Source -Oil & Gas UK and EY

Production efficiency		
2014	65%	
2015	71%	
2015 range	30% to 90+%	

Source-OGA

Exploration & appraisal			
2014 wells	32		
2015 wells	26		
2016 wells (est)	16 to 19		

Source - OGA and Oil & Gas UK

Jobs

330,000 jobs in the UK

Delivered through or supported by upstream oil and gas activity

Source - Oil & Gas UK

Adapting to new conditions

Source -OGA

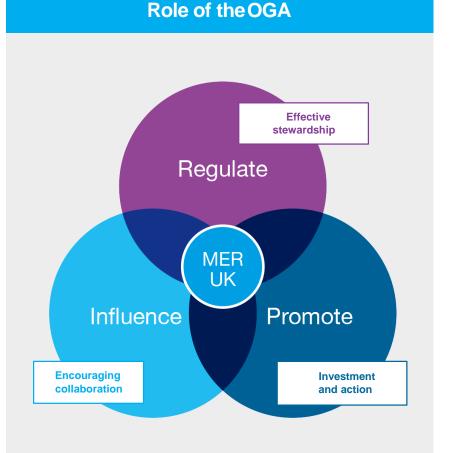
Delivering MER UK



MER UK Strategy

Relevant persons must, in the exercise of their relevant functions, take the steps necessary to secure that the maximum value of economically recoverable petroleum is recovered from the strata beneath relevant UK waters.





1st October: OGA vested as independent government company

Top 10 - what's changed?

Quicker	
In action	
Evolved	
Evolved	
New	



Balanced application of new regulatory framework

Progressive regulation

Effective influence



Stewardship Expectations Benchmarking Tiered Stewardship Reviews

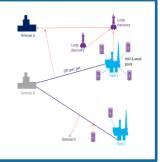
Exploration

- New seismic
- New plays
- More flexibility



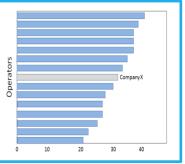
Area plans

- Strategic hubs
- More transparency
- Collaboration & consolidation



Company behaviours

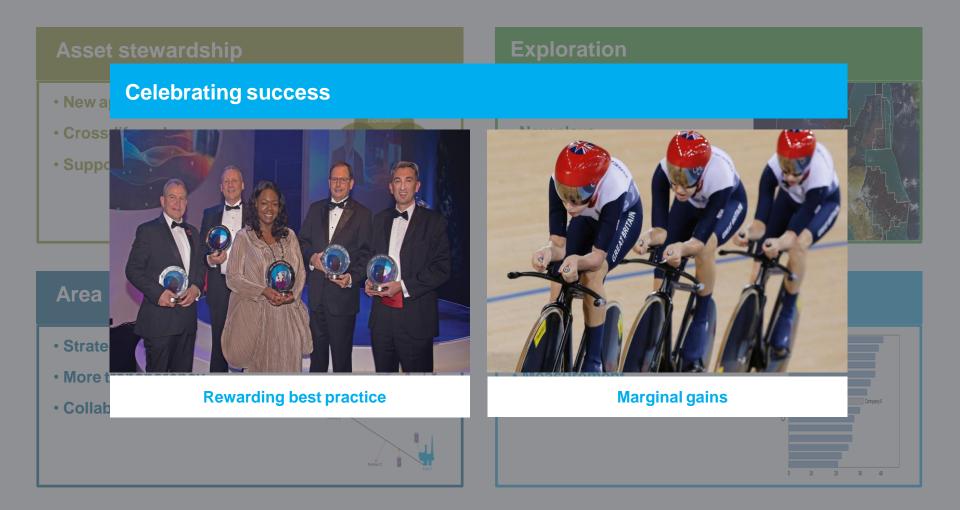
- Measuring performance
- Updated practices
- Changing culture



Changing behaviour and increasing collaboration

Effective influence



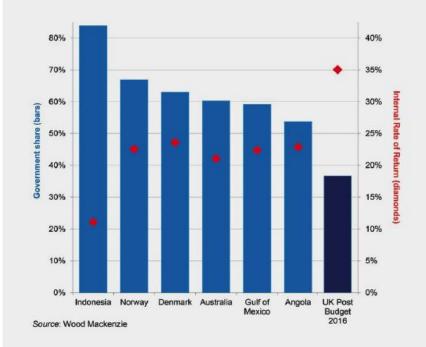


Changing behaviour and increasing collaboration

Promoting investment

il & Gas Authority

HMT delivered globally competitive fiscal regime



- + Adhere to driving investment plan principles
- + Evidence sought for fiscal barriers to asset transfers



Promoting the UKCS as attractive investment destination Enhancing the reputation of the UKCS Internationally

Working with FCO, SDI and DIT Engaging with M&A advisors, investors and others



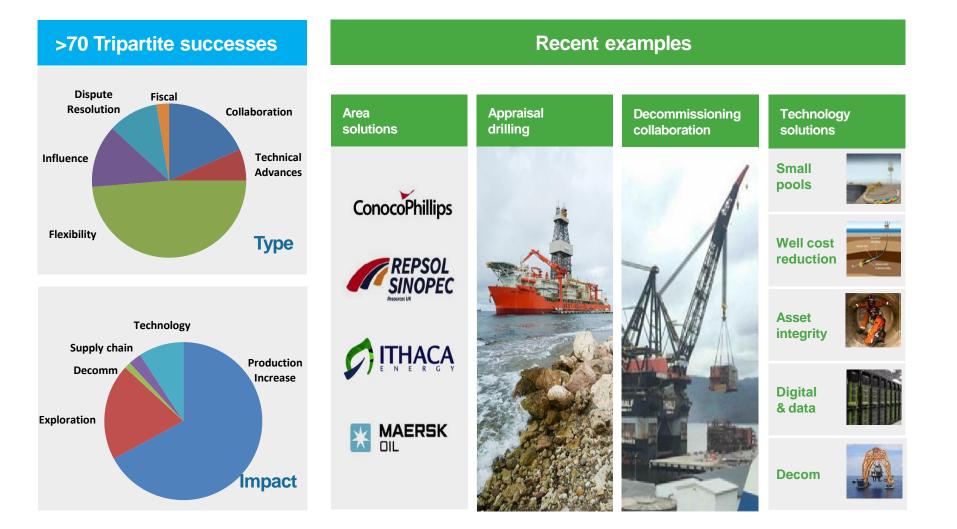




Proactively positioning the UKCS

MER UK benefits





Creating and unlocking MER UK value



Oil & Gas Authority

MER UK FORUM

October 16





Oil & Gas UK Update - October 2016



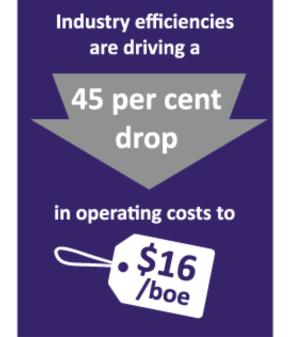
Industry update/Fiscal Environment

2 Progress on cost and efficiency

Industry performance has improved significantly over the last two years

Production up 15 per cent in 2 years, bucking a 15-year trend

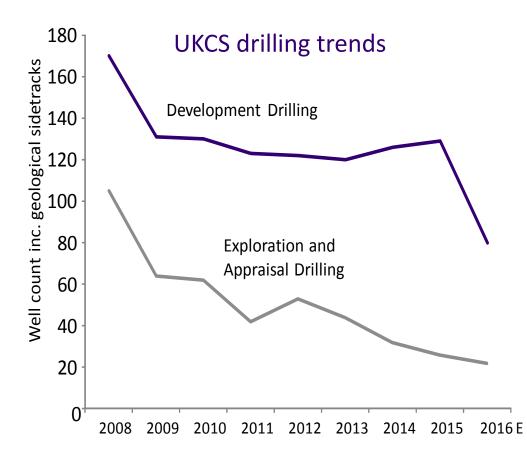








UKCS drilling at 50 year low

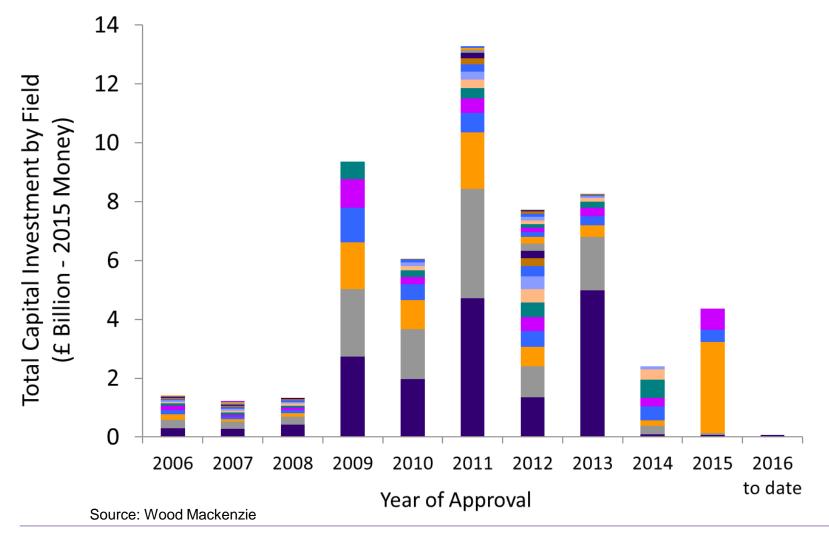


- Discovering less than a quarter of current production
- Development drilling down by a third
- 17 rigs stacked
- Skills retention under threat

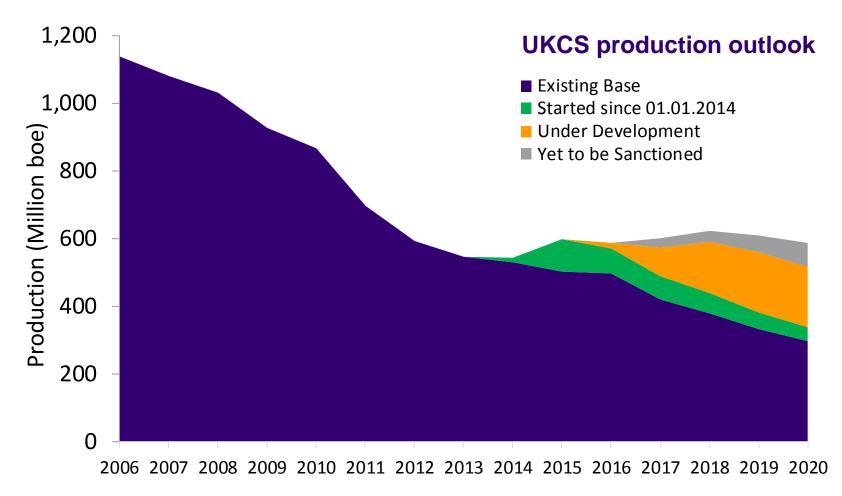


Collapse in new investment a major concern

Capital investment comes almost entirely from pre-2016 commitments:

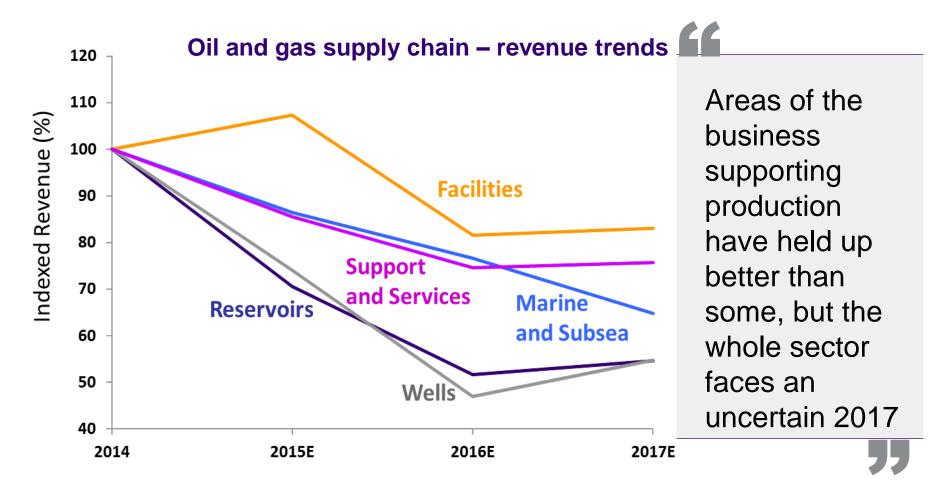


Production outlook uncertain despite recent strong investment

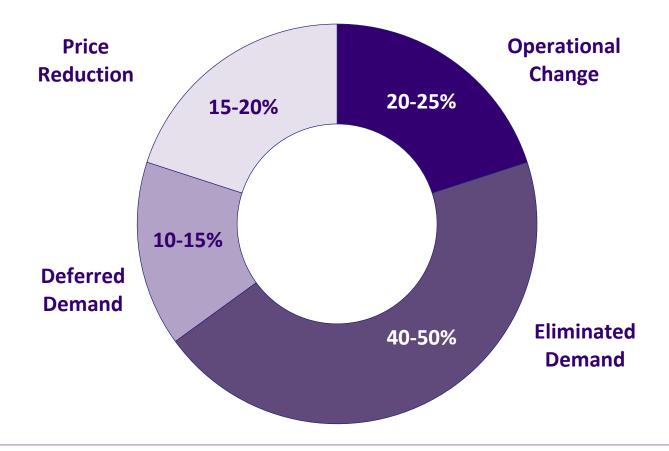


Source: Oil & Gas UK

The supply chain is under pressure



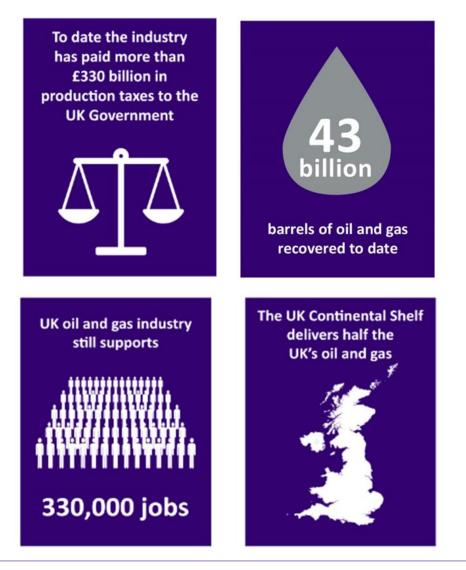
Delivering Sustainable change: UKCS operating expenditure £2.6 bn down in two years



Efficiency trends across UKCS

OIL&GAS^{UK}

An industrial success story for the UK



OIL&GAS^{UK}



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Supply Chain, Exports & Skills

Neil Sims Stuart Payne

31st October 2016

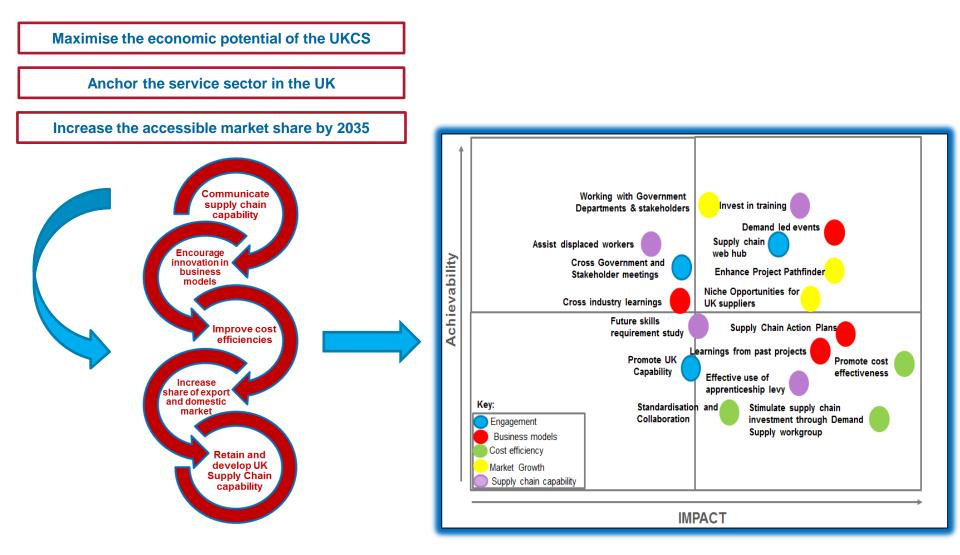
Supply Chain Exports & Skills Board



Purpose	Work with industry, government and trade bodies to promote and strengthen the supply chain and exports, improving sustainability, local and global competitiveness while anchoring activities in the UK.			
Priorities	 Maximise the economic potential of the UKCS Anchor the service sector in the UK Increase the accessible market share by 2035 			
Industry lead	Neil Sims (Expro)	Support lead	Stuart Payne (OGA)	
Members	Bill Cattanach (OGA) Ali Talput (EnQuest) Ian Jack (SLB) Julian Rippiner (Shell) Mark Docherty (Acteon) Melfort Campbell (ILG) John McDonald (OPITO) Scottish Government	Dave Stewart (WGPSN) Mike Pettigrew(Babcock) Terry Savage (Global Energy) Barry Macleod (Bibby) Dave Clark (Aker) Steve Gray (ROVOP) Stuart Broadley (EIC)	Richard Male (Diamond) Paul Charlton (NOF) Mark Goodall (East of England) Sandy Hutcheon – (TAQA) Stephen Marcos Jones (O&GUK) Tanya Maycock – (BP) Mike Horgan (AMEC FW)	
Key relationships	Paul Drabwell (BEIS) Maggie McGinlay (SE)	Craig Jones (DITI) Ken Cruickshank (O&GUK)	MERUK Boards especially Skills, Technology & Decommissioning	
Progress update	 The Board has met 5 times with the 6th meeting planned for December Four initial priority workgroups have been formed as follows: Exports – target to double the share of global oil and gas market by 2035 New Opportunities – create a market by unlocking stranded investment and building new capabilities Promotion of the supply chain – creating a collaborative environment which will add value to the basin Skills workforce – retain/develop and protect a skilled workforce Transformational change – Board is setting a transformational agenda and plan Strategy document and Delivery Programme developed and published October 2016. 			
Risks / interdependencies	 Strong alignment with other MER UK Boards, government and trade bodies is key avoiding duplication and adding value by promoting and supporting new approaches collaboratively Insolvency of supply chain companies leading to loss of capability 			

Supply Chain Strategy & Delivery Programme

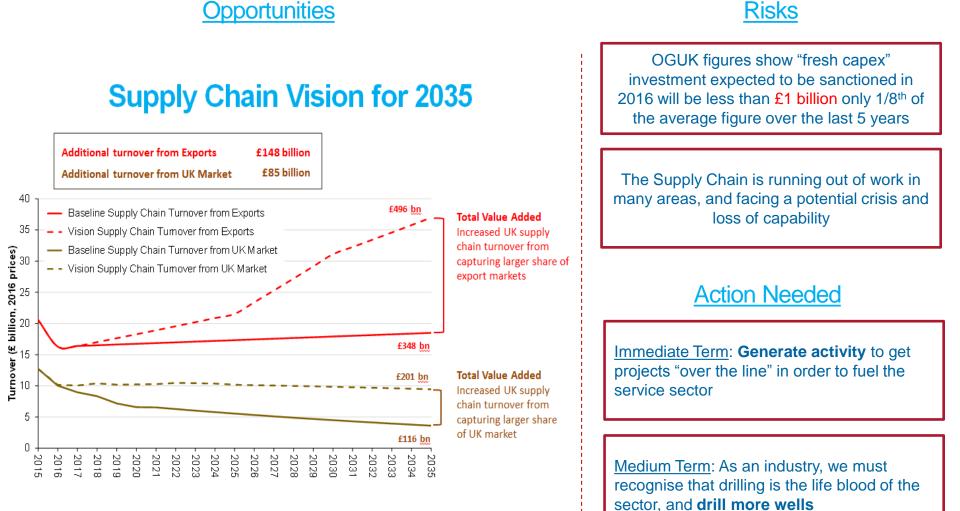
2018 Oil & Gas Authority



Developing competitive advantage within the UK service sector



Opportunities, Risks & Action Needed





Discussion

Question 1: Much has already been done to support the sector and to generate activity. What **more** could be done, specifically targeted at supporting and sustaining the service sector?

Question 2: Is there anything more that **Government**, **Industry** and the **OGA** could do to contribute to this effort?



Oil & Gas Authority

Regional Development & Infrastructure

Gunther Newcombe Neil McCulloch

October 2016

RDI Board Summary



Purpose	Deliver strategic & behavioural change to maximise value for UKCS		
Draft priorities	 Undertake prioritised regional reviews to mitigate risks and facilitate delivery of opportunities Building on HMT Infrastructure workstream output deliver an improved infrastructure access plan Monitor work in TB to reduce well costs & unlock value of discovered undeveloped resources 		
Industry lead	Paul Goodfellow (Shell)	Support lead	Gunther Newcombe (OGA)
Members	John Warrander (Addax) Cori Loegering (Apache) Mark Thomas (BP) Greta Lydecker (Chevron)	Dominic Macklon (Conoco Phillips) Mike Smith (DONG) Neil McCulloch (Enquest) Morten Kelstrup (Maersk)	Vince Graham (OMV Pete Jones (TAQA) Elisabeth Proust (TOTAL) Mike Tholen (O&GUK)
Key relationships	All MER UK Boards (especially Technology Board), OGUK Board & Commercial Behaviors WG		
Funding and resources	 OGA support funded from OGA Levy Members support manpower and incidental costs from own budgets Operators to provide (ideally) full time staff to undertake prioritised regional reviews with OGA 		
Risks / interdependencies	 Strong linkage with other core work boards, in particular TB on small pools and well costs, to ensure linkages made where required and avoid duplication and confusion & OGUK Board Evaluation of key regions is part of a prioritised phased approach which in the short-term, next 3-6 months, operator support as, OGA is currently recruiting these skills and developing capability 		

OGA collaboration framework

😻 Oil & Gas Authority

Request industry review and update CCOP and ICOP benchmark for good commercial behaviours

Expectation that a now better resourced OGA would use CCOP and ICOP and associated simple standards to help industry achieve what they say they want

OGA to generate inhouse metrics to provide an assessment of company commercial behaviours and behavioural change

This will take the form of quality conversations with individual operators with a scoring process and associated league table Reinforce the need for good commercial behaviours via Stewardship Expectations

Stewardship Expectation on collaboration sets out need to have a culture of collaboration coupled with utilisation of collaborative processes

OGA will exercise its powers as appropriate to complement its collaborative function to ensure timely compliance with MER UK Strategy

Regulatory powers and sanctions now in place and application framework developed

Observations

- Wood Review (2014), OGA Call to Action (2015) & Corporate Plan (2016) clear on need to change company commercial behaviours but progress has been slow
- There are great examples of collaboration but OGA often called in or need to facilitate
- Recognition that an Industry Commercial Behaviour workgroup has been set up
- A means of quantifying & benchmarking company behaviour could help facilitate a change in culture

Industry collaboration initiative



Industry Commercial Behaviour Task Group established

key focus areas being worked:

Use of standardised agreements (ConocoPhillips led)

Empowerment of negotiators (Maersk led)

Timeframe for conclusion of agreements (Centrica led)

Investing in people & processes (Ithaca led)

Work underway to develop commercial behaviour indicators:

Potentially extend Deloitte supply chain study of leading indicators

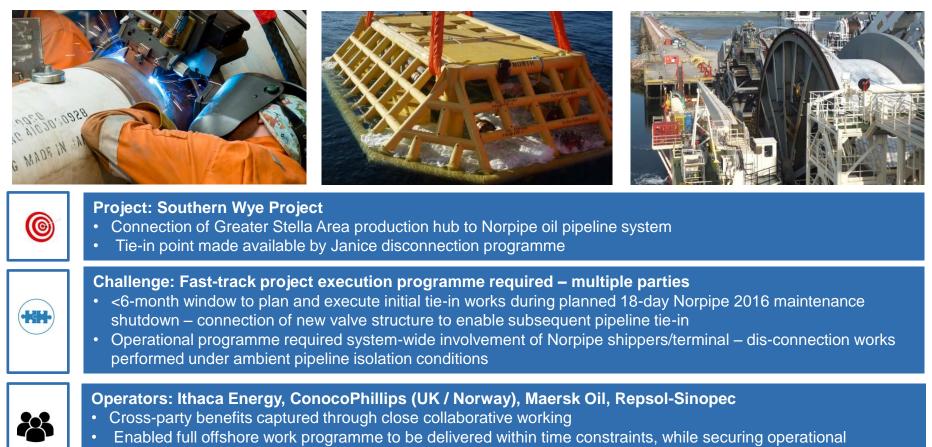
Use historical data to benchmark agreement timeframes

Update Commercial Code of Practice (CCOP)

Good progress made by Commercial Behaviour Task Group in 2016

North Sea collaboration maximising value and reserves recovery





synergies and cost savings



- Greater Stella Area... securing a long term oil export route for the production hub
- · Tie-in solution enabled a more complex and costly hot-tap connection to be avoided
- Pipeline export solution facilitates enhanced production uptime performance and reduces fixed operating costs maximises reserves recovery and long term value



Collaboration Challenges

What are they?

Solutions?

Next Steps?

Essential that the UKCS is recognised as a collaborative place to do business

MER UK FORUM



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