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Bringing Oil & Gas and Offshore Wind Together

Predictable Performance

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'Rotoscoping'

A technique in which animators draw and trace over old footage to create new scenes and characters





NSTD success - INTOG must accelerate ahead of the 'pack'

- Ambitious decarbonisation targets
- Integration of wind actionable lever on costs
- INTOG faces significant 'route to market' challenges
- Construction optimisation
 matters





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Predictable performance – through EPCI constructs

- Construction optimisation matters
- In 2016 the SSE Beatrice project pioneered Engineering, Procurement, Construction and Installation (EPCI)
- EPIC ~50% improved schedule vs multicontractor
- Recent increasing interest in EPCI to improve predictable performance





Predictable performance – through serial fabrication lessons

- 5.7GW = 380 floaters = ~1.5m tonnes
- Timely delivery of fabrications is critical to cost & schedule
- Today; Multi-yard solution across Middle East & China can be 12x faster



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Predictable performance – through early alignment of drivers

- 'Collaboration' is difficult
- Opportunity to align the drivers of all parties – exponentially more effective performance
- Collaboration can be competitively assessed
- Recent successes in Salamander floating wind farm and CNOOC Buzzard Phase 2





Takeaways – Predictable performance



Re-use of techniques previously proven as successful, create predictable performance and offer a credible solution to accelerate projects.

Acceleration and predictable performance possible, through:

- 1. EPCI contracting 50% improved delivery schedule
- 2. Serial fabrication lessons laser focus critical to project economics
- 3. Alignment of drivers Collaboration partners can be competitively assessed



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THANK YOU

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