

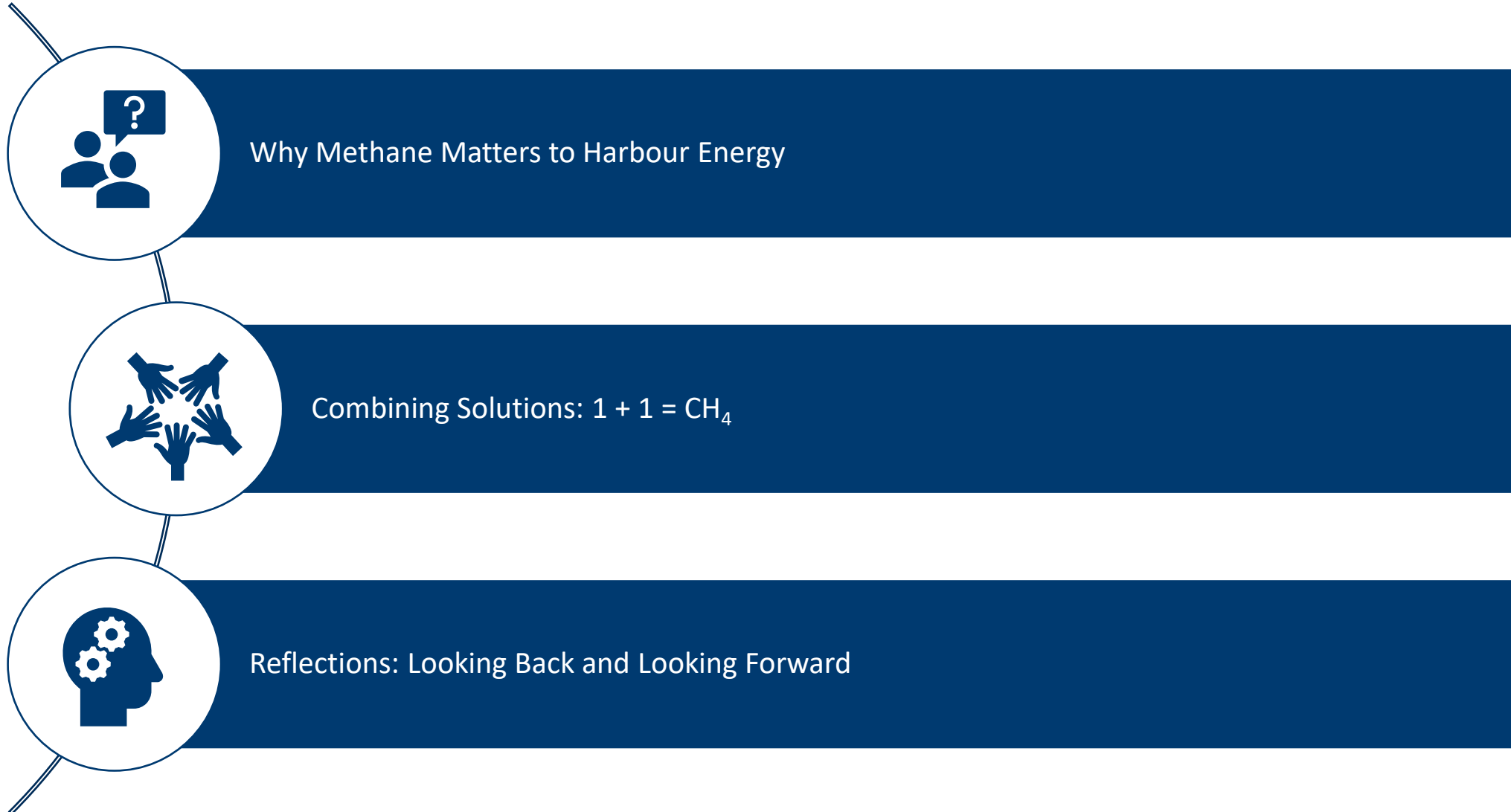
Methane Emissions Integrity

Synergies of UAV Operations

James Lawson – Senior Adviser, Energy & Emissions

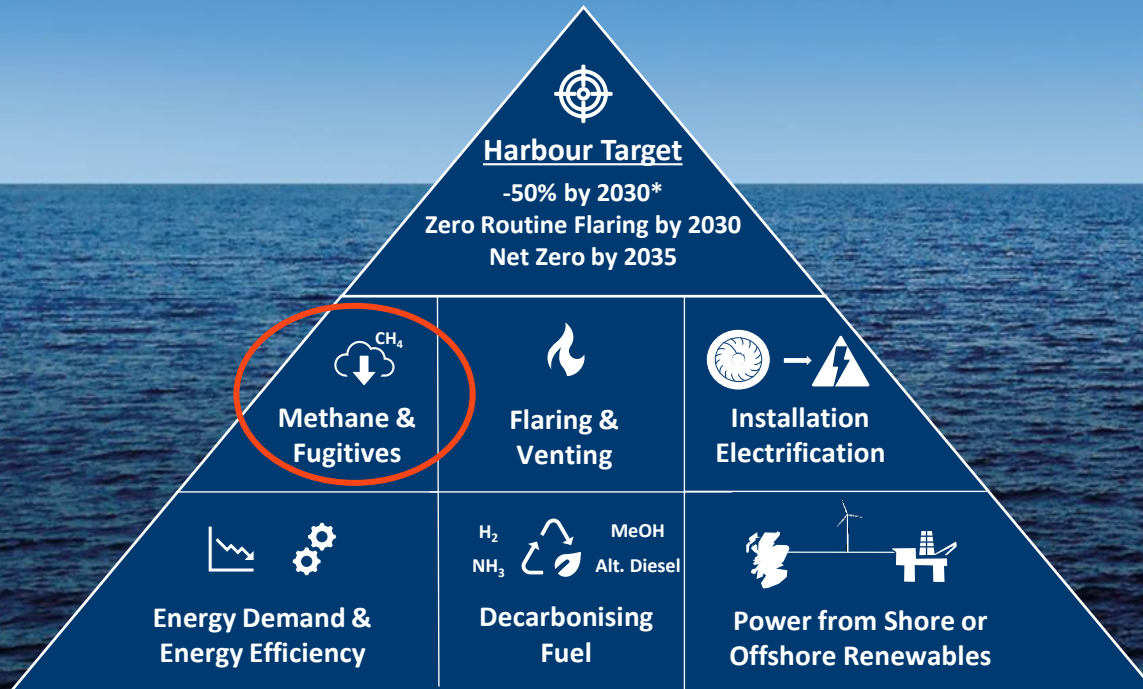


Methane Emissions Integrity – Synergies of UAV Operations



Why Methane Matters to Harbour Energy

- Net Zero is not just an aspiration, but mandatory.
- Methane is a major component of global warming, and particular interest to energy industry.
- Central to not only Harbour Energy's net zero aims, but the whole basin.
- Understanding methane is key to prioritising methane reduction.



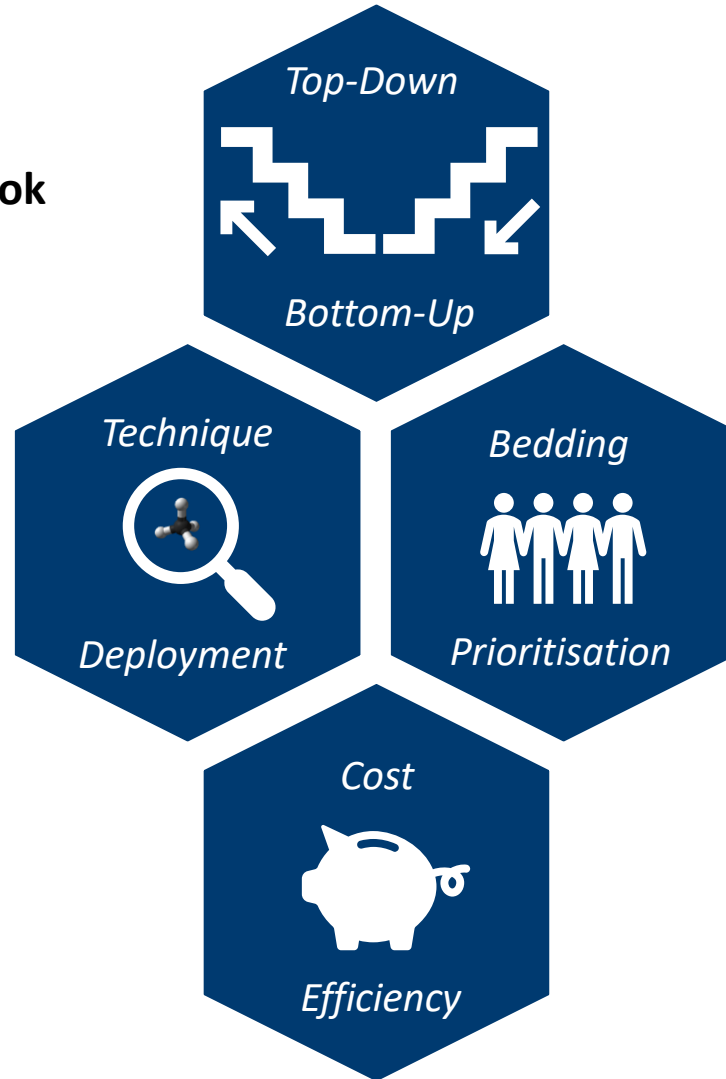
* Against a 2018 baseline



Ensure safe, reliable
and environmentally
responsible operations

Combining Solutions: 1 + 1 = CH₄

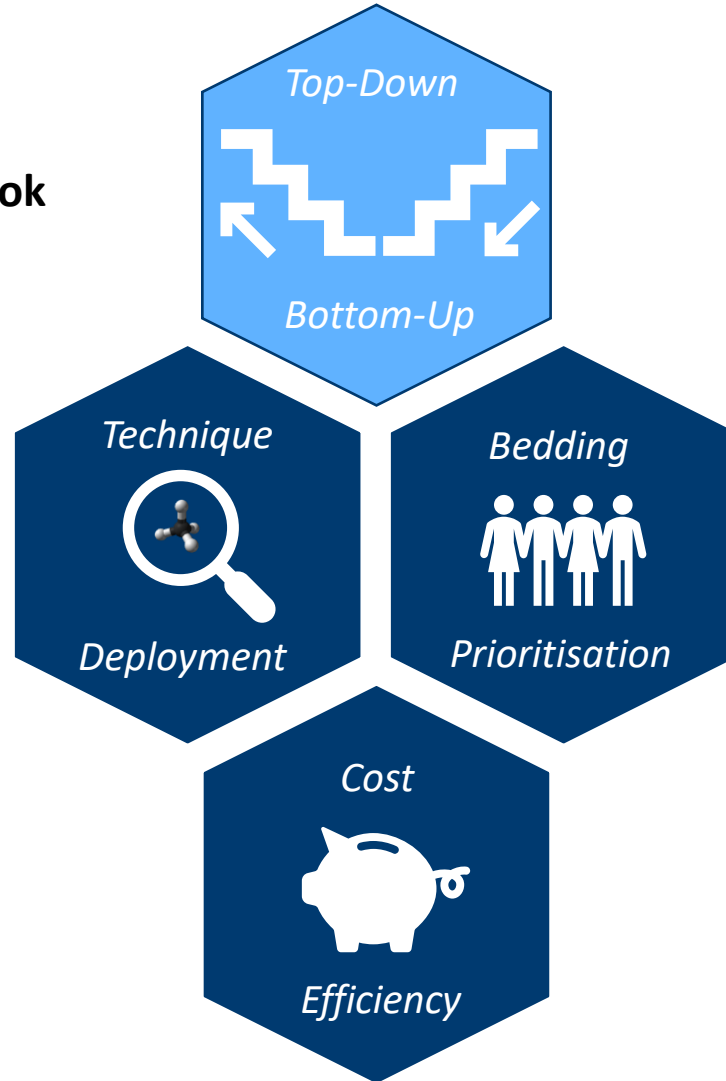
Where to Look



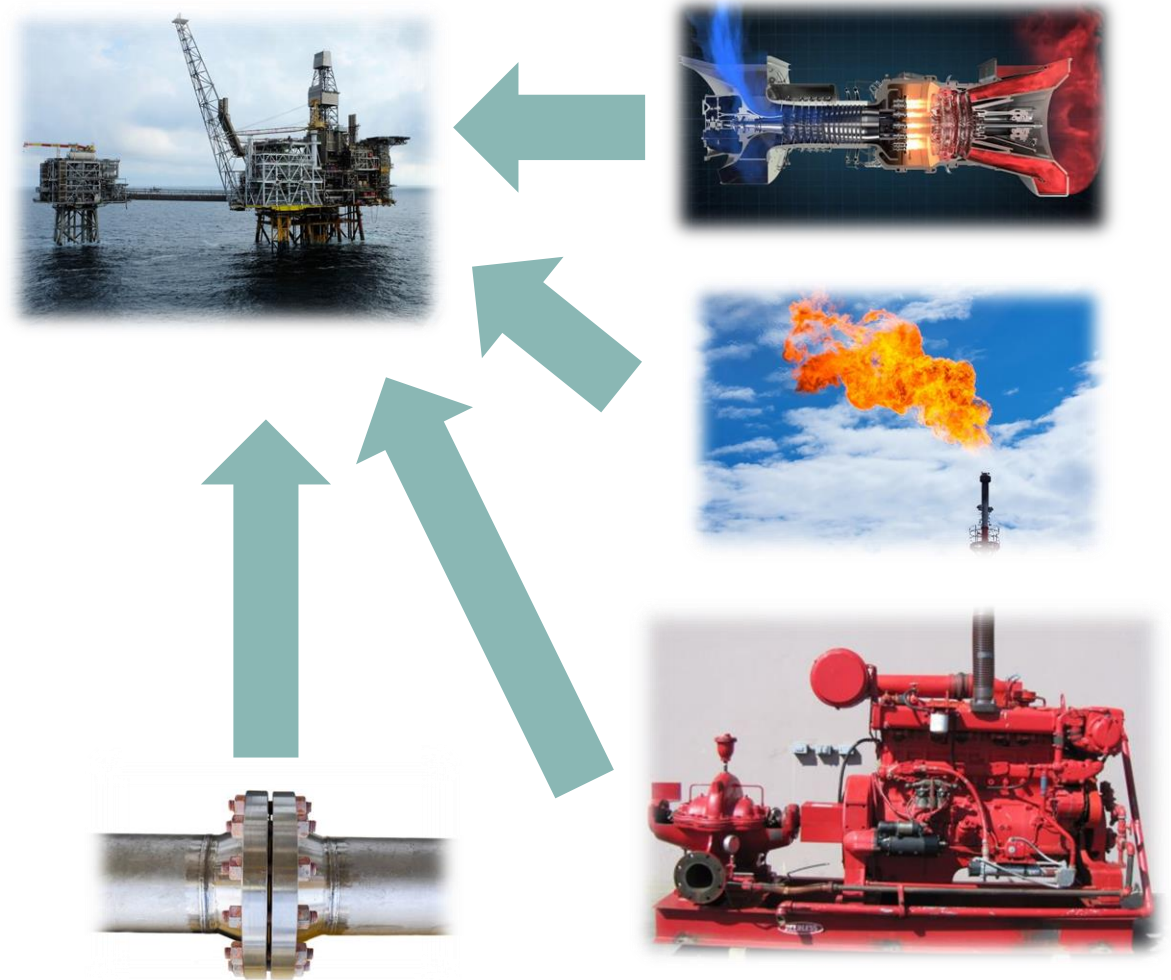
How to Look

Combining Solutions: 1 + 1 = CH₄

Where to Look

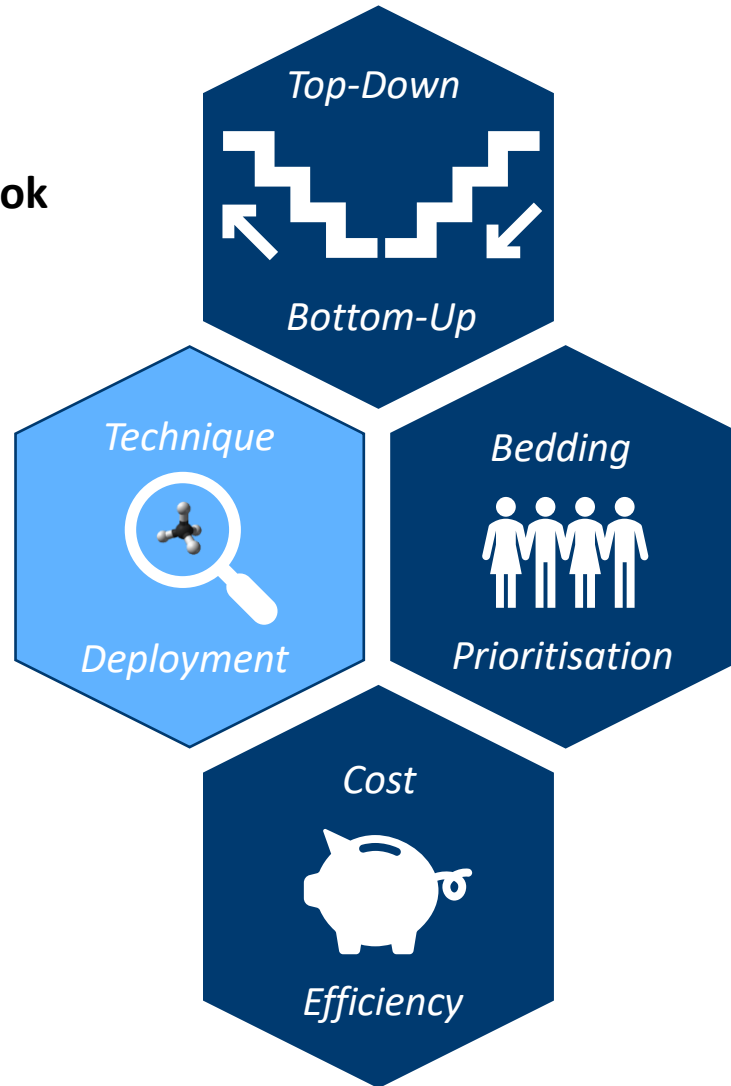


How to Look



Combining Solutions: 1 + 1 = CH₄

Where to Look

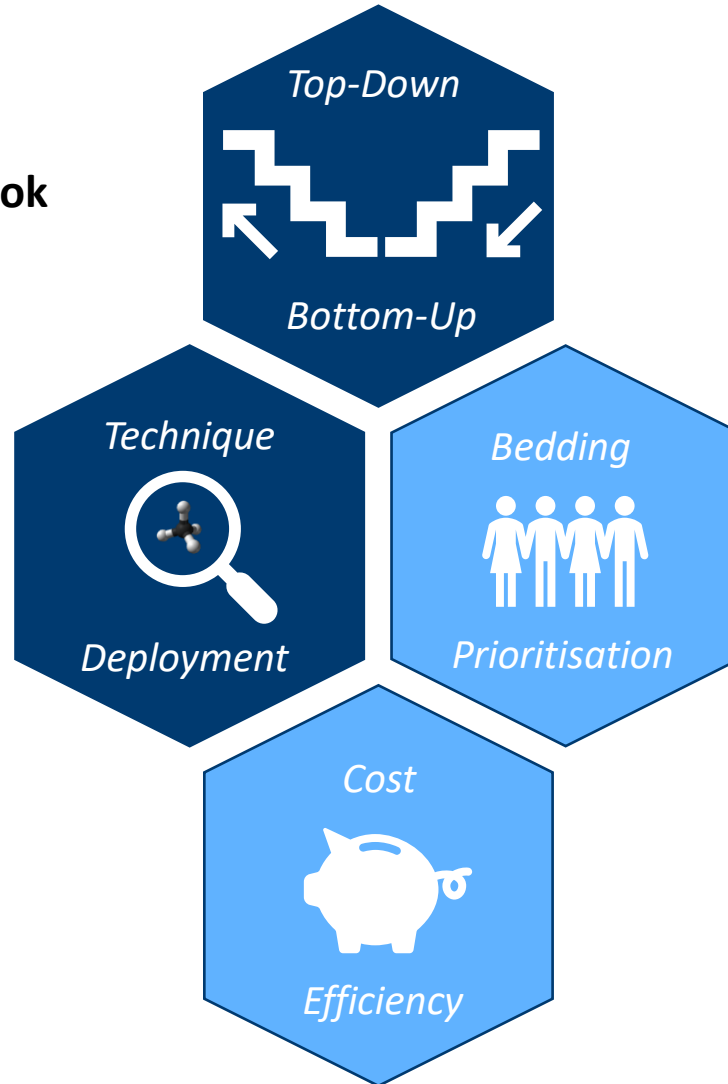


How to Look



Combining Solutions: 1 + 1 = CH₄

Where to Look



How to Look

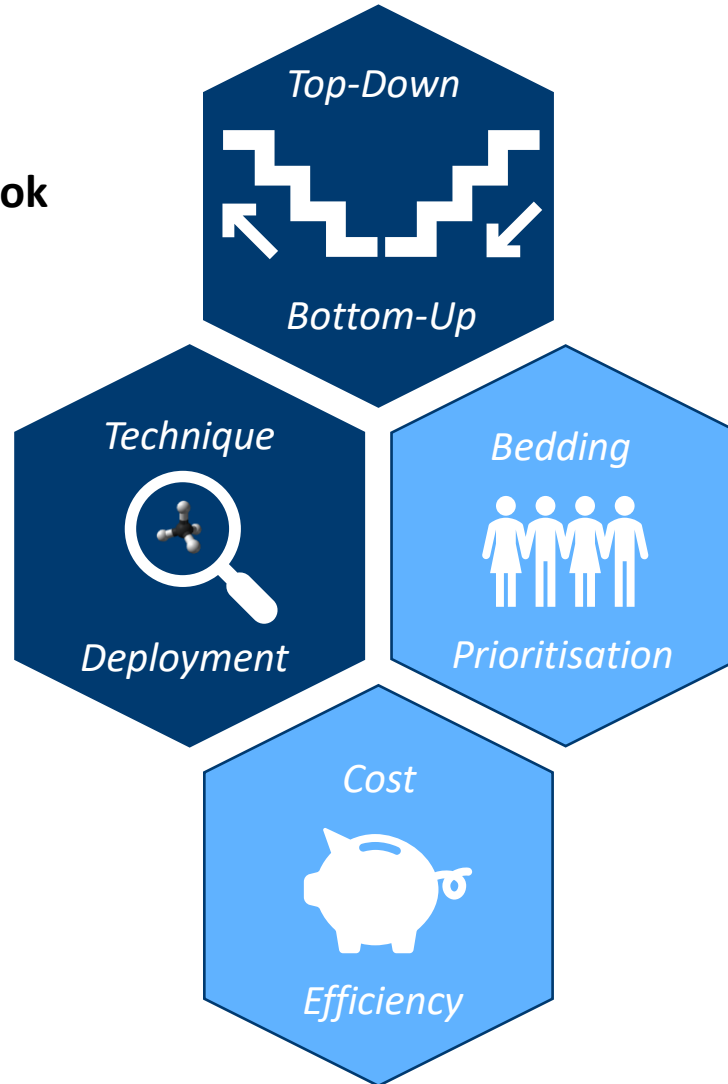
Challenge

Is there potential to combine with another scope?



Combining Solutions: 1 + 1 = CH₄

Where to Look



How to Look

Challenge

Is there potential to combine with another scope?



Reflections: Looking Back and Looking Forward

➤ Looking Back

- Cost saving – mobilisation & shipping
- Close communication
- Identified both major & minor sources
- Two-way relationship
- Surveyed a cold flare event
- At the mercy of the wind – direction is key
- Engagement with data analytics

➤ Looking Forward

- Complete the methane baseline
- Re-survey challenging data
- Collaborate with data analytics
- Continually re-assess supply chain
- Co-ordinate alongside integrity team



Acknowledgements

- Britannia & Judy Personnel
- Britannia & Judy Integrity Team
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- Matrix Inspection Services
- SeekOps

