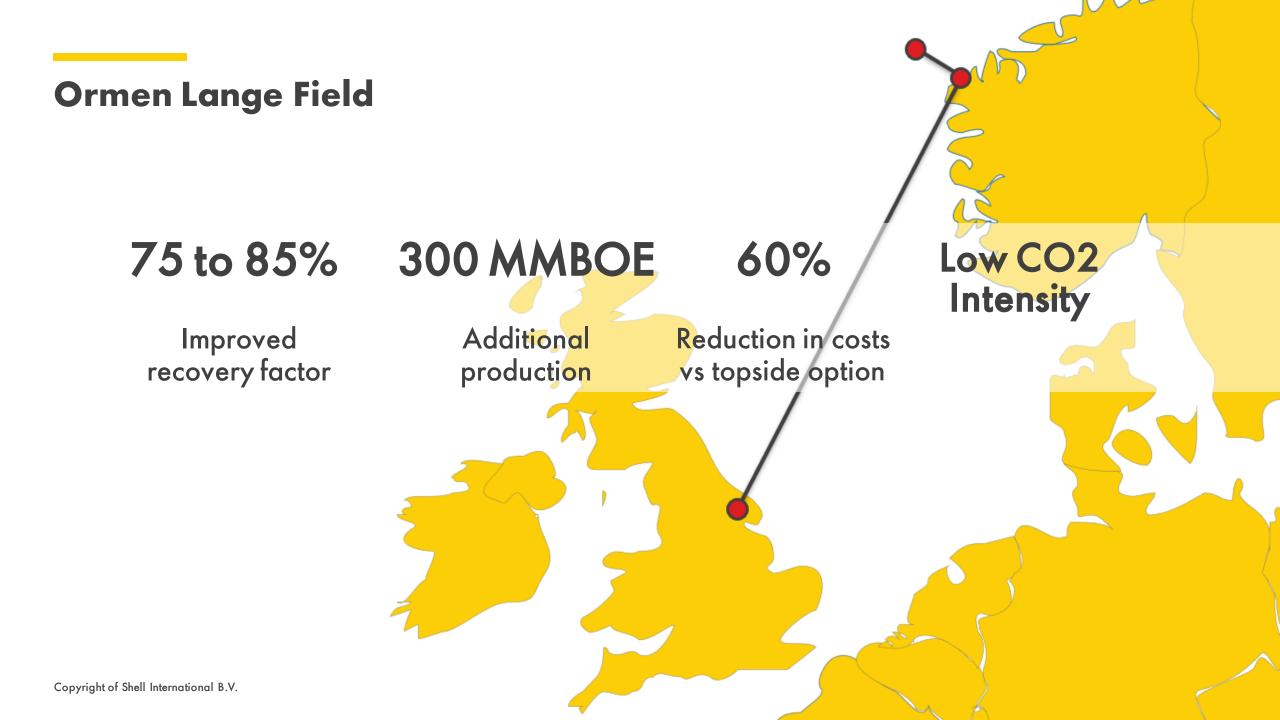


Virtual witness of full-scale testing using Subsea Live

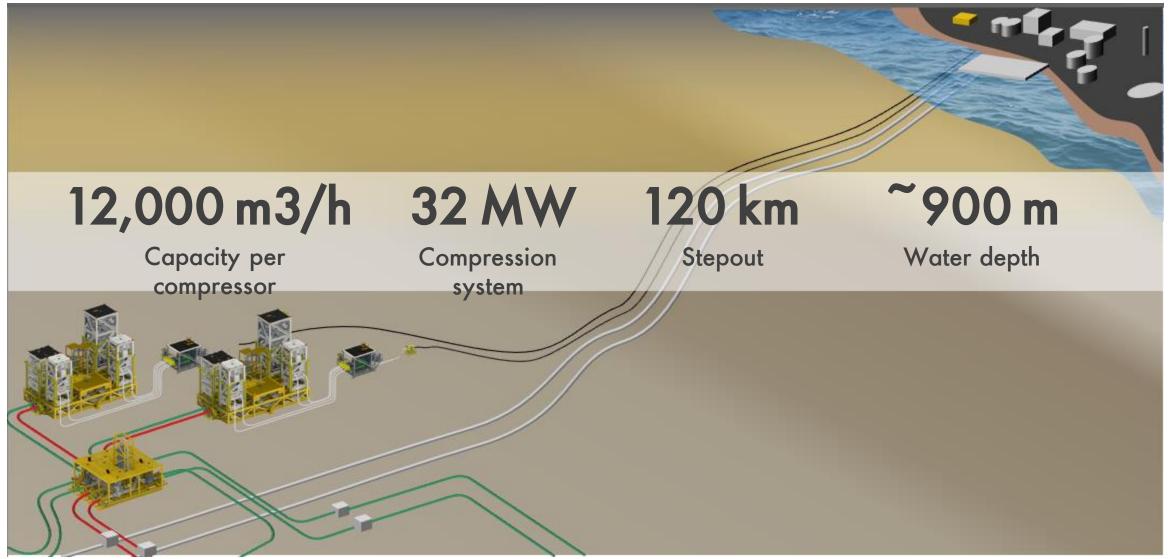
Schlumberger Digital Forum

Richard Crichton Project Manager Ormen Lange Subsea Compression





Ormen Lange Subsea Compression

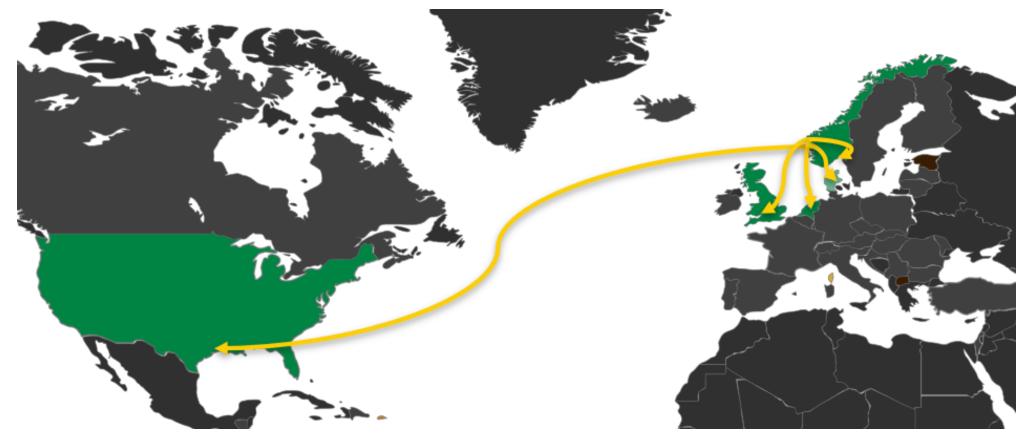


Copyright of Shell International B.V.

The Challenges – Work In Progress

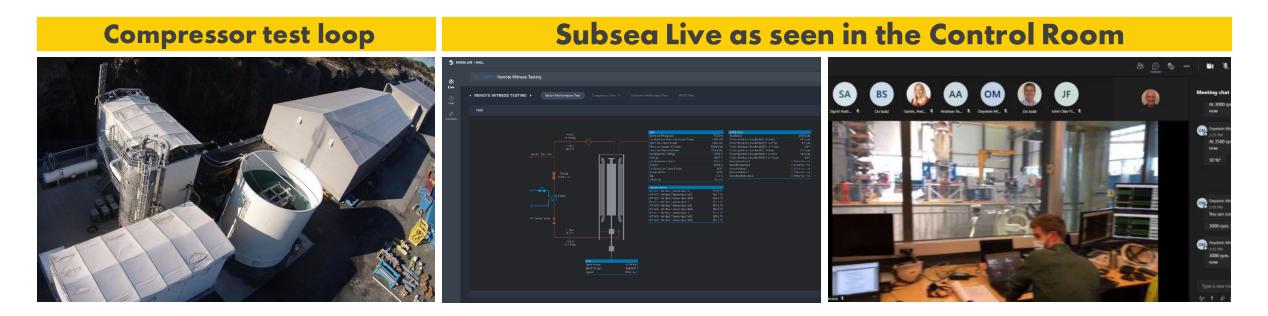
- High stakeholder interest
- Widespread locations

- COVID travel constraints
- Challenging timeline



The Outcomes - Technical

- Compressor testing and software verification test (SVT) witnessed remotely
- Physical test performed at Horsøy with robust COVID controls maintained
- Real-time data available in Subsea Live for all participants



The Outcomes – One Team

- Achieved Goal Zero with significantly reduced HSSE exposure
- Real-time collaboration across Shell, OneSubsea and Joint

Venture partners

Full alignment on test acceptance achieved in short timeline



The Outcome - Business

- Joint Venture partnership alignment
- Early Final Investment Decision (FID)
- Secure capacity in supply chain
- Regulatory submissions complete

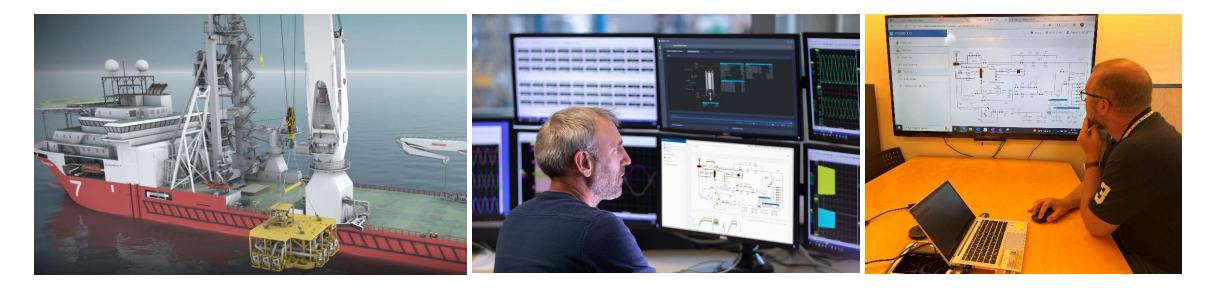
Norwegian Ministry of Petroleum and Energy





Future Potential

- Continue to support project delivery
 - Equipment testing (Power / System Operating Test)
 - Commissioning
 - Start-up and operation
- Enhancing capability for field surveillance



Conclusion

- Digital tools are not new
- Value arises from ways of using the existing tools
- Single source data available in real time
- A structured way to access and present data to optimize future

operation of equipment





Copyright of Shell International B.V.

September 2022

Unlocking Value, Enabling Low Carbon





The End Customer



Questions and Answers

