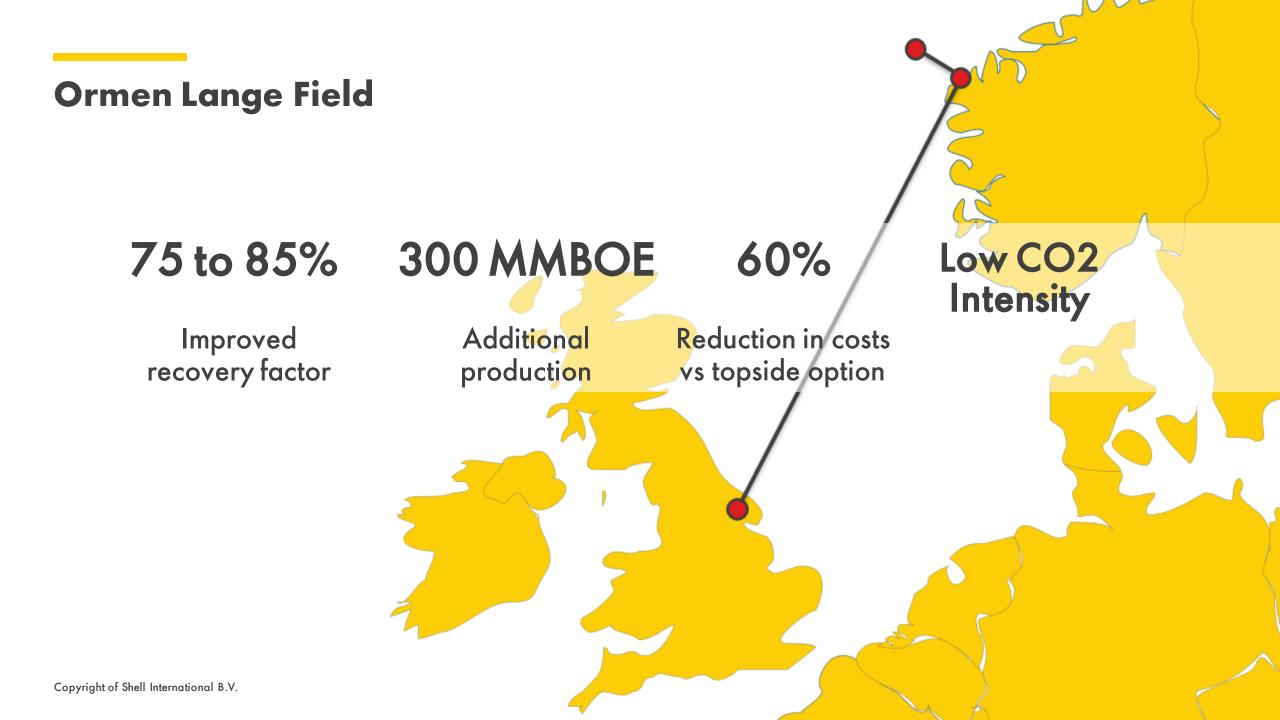


# Virtual witness of full-scale testing using Subsea Live

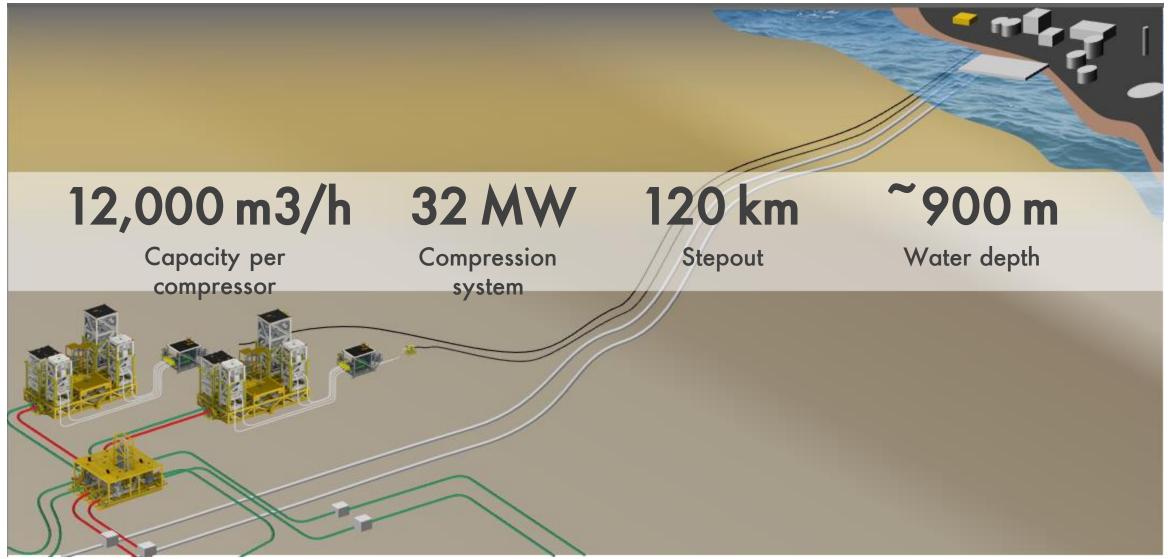
Schlumberger Digital Forum

**Richard Crichton** Project Manager Ormen Lange Subsea Compression





# **Ormen Lange Subsea Compression**

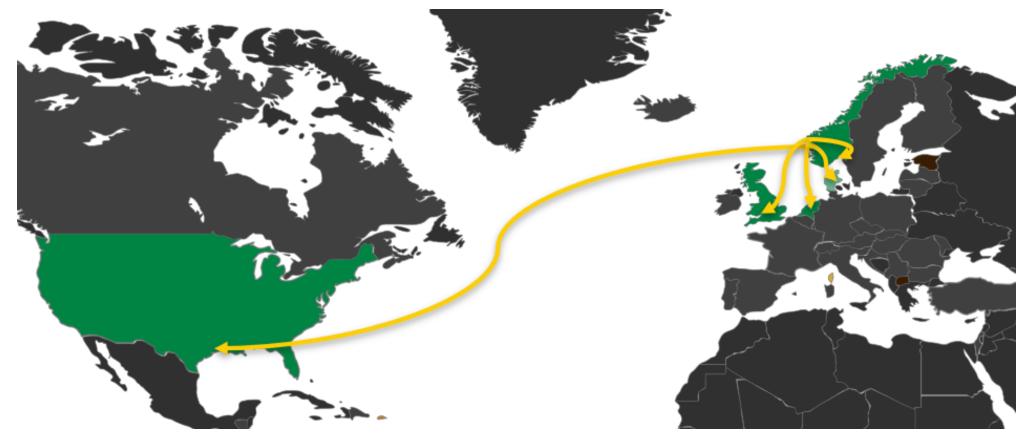


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# The Challenges – Work In Progress

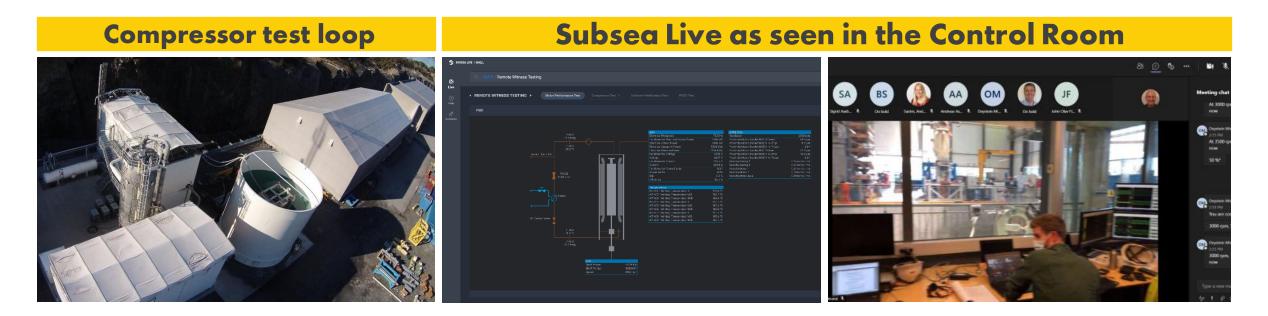
- High stakeholder interest
- Widespread locations

- 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

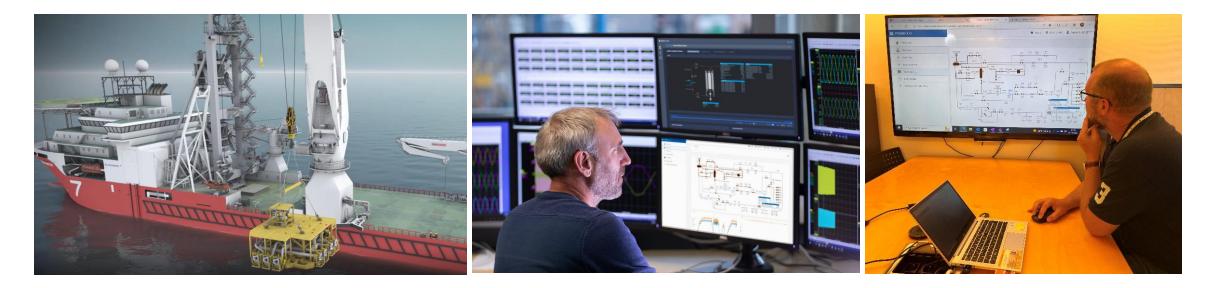
#### Norwegian Ministry of Petroleum and Energy





# **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





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September 2022

# Unlocking Value, Enabling Low Carbon





# The End Customer



# **Questions and Answers**

