



DECOMMISSIONING PLANNING

Decom North Sea Supply Chain Engagement Event

6th December 2017

Ken Watt – Development Studies Leader

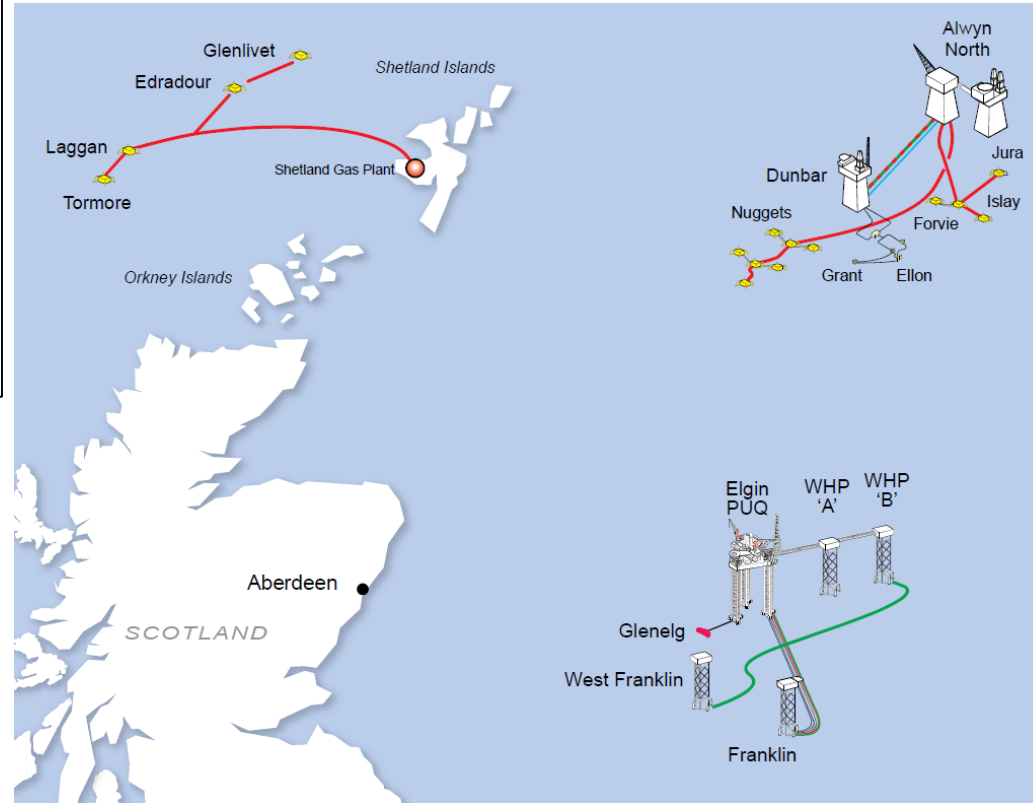
Malcolm Watt – NNS Development Lead

TEPUK OPERATED ASSETS

West of Shetland



- Subsea wells & infrastructure
- Pipelines
- Onshore plant



Northern North Sea



- Alwyn & Dunbar platforms
- Subsea wells and infrastructure for Jura, Islay, Forvie, Nuggets, Ellon & Grant
- Interfield and Export Pipelines

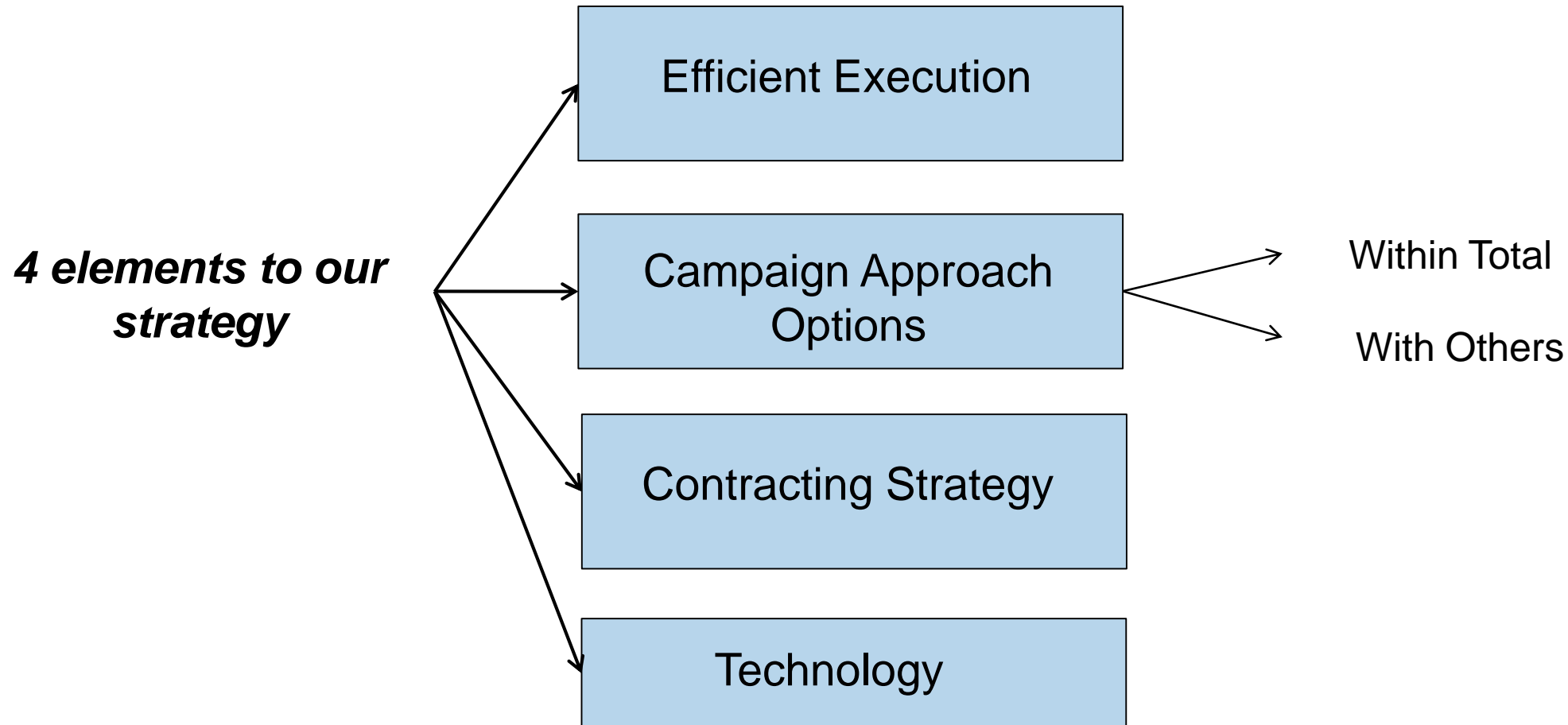
Central Graben Area



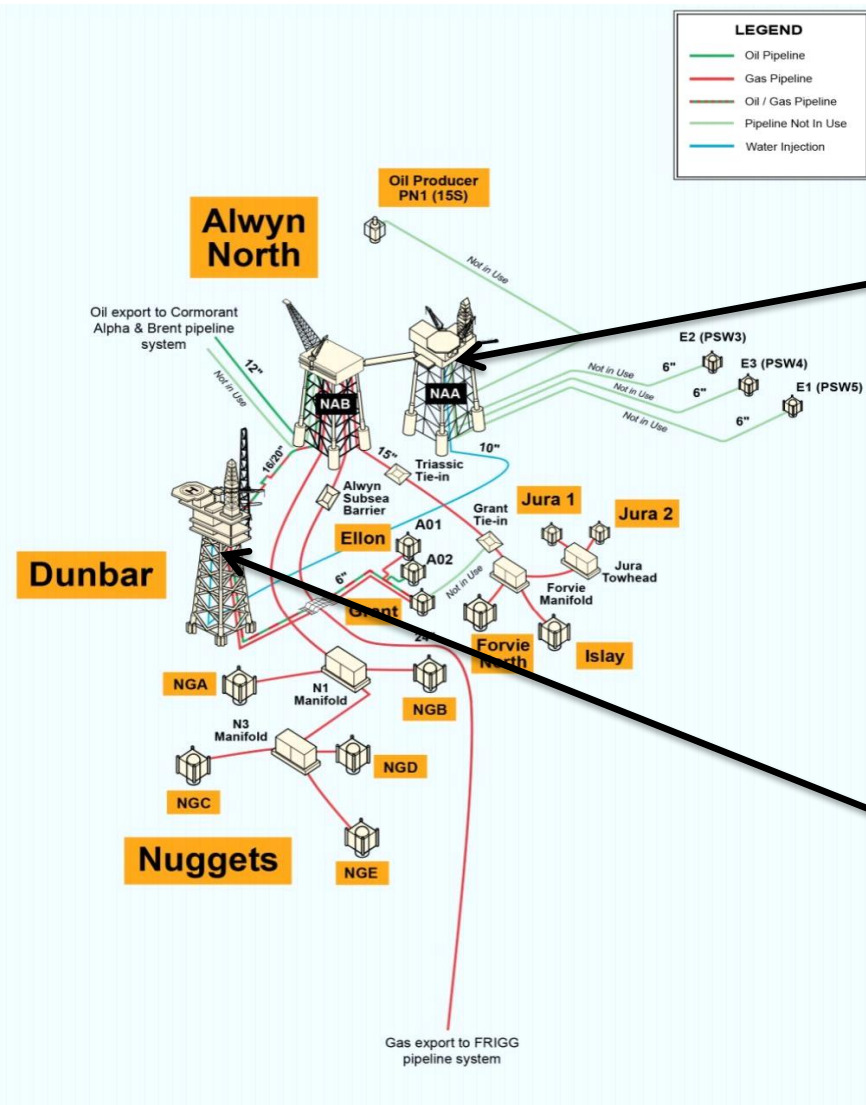
- Elgin Complex – PUQ, WHP 'A', WHP 'B'
- Franklin & West Franklin NUI platforms
- Interfield Pipelines

TEPUK APPROACH TO DECOMMISSIONING

Total E&P's ambition is to execute decommissioning activities safely, responsibly and cost-effectively.



NNS ASSETS FUTURE DECOMMISSIONING SCOPE



North Alwyn

500km north east of Aberdeen

130m water depth

North Alwyn A (NAA)

- Drilling, Utilities & Accommodation
- Fixed steel jacket
- Modular topside construction
- Steel bridge link to NAB

North Alwyn B (NAB)

- Main process equipment & risers
- Fixed steel jacket
- Modular topside construction



Dunbar

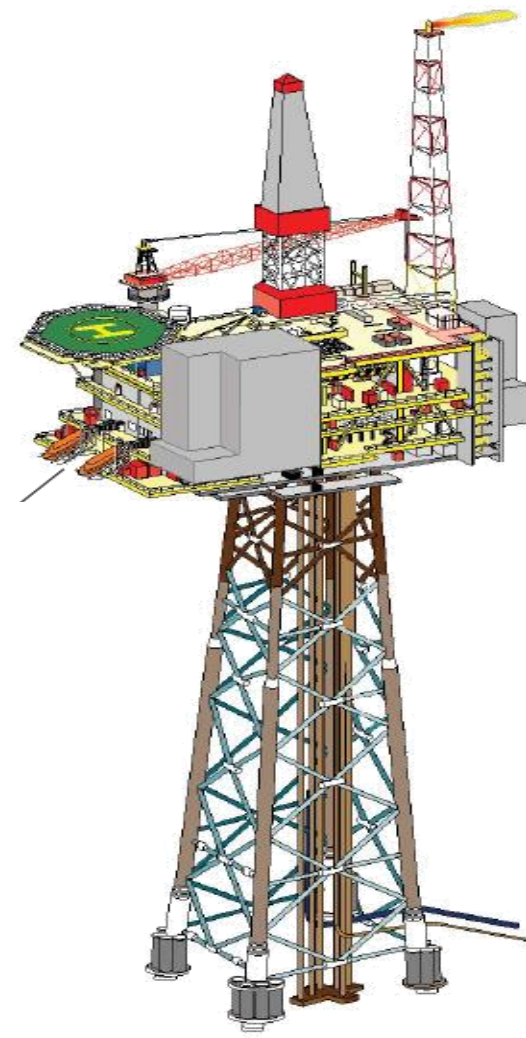
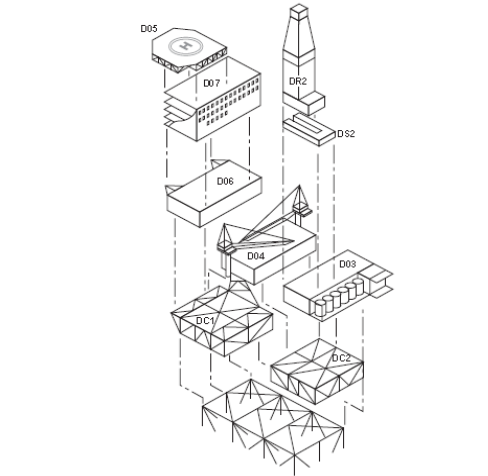
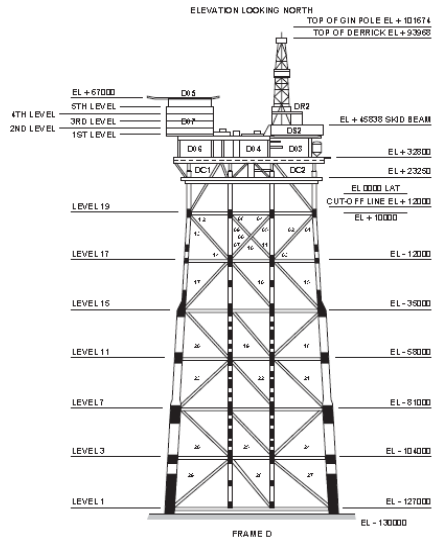
• 440km north east of Aberdeen

• 145m water depth

- Satellite platform of North Alwyn
- Minimum process facilities
- Full derrick set with limited fluid handling facilities

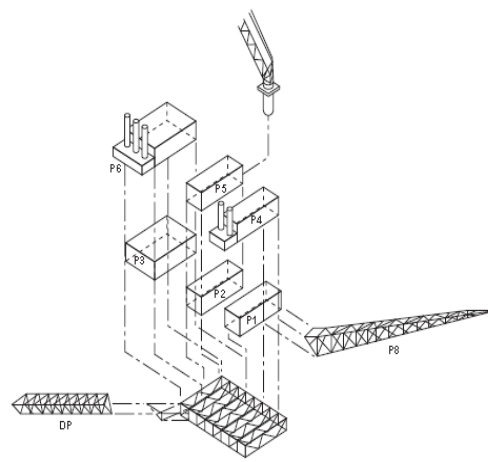
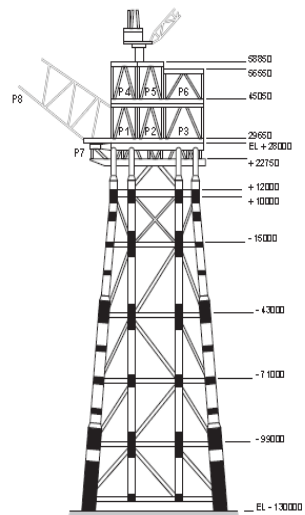
- Living quarters
- Fixed steel jacket
- Integrated deck topside construction

NNS ASSETS FUTURE DECOMMISSIONING CHALLENGES



Challenges include

- Dunbar P&A
- Mattresses
- Bundle decommissioning
- Time reduction opportunities e.g. Engineer down



DOING BUSINESS WITH TEPUK



SUPPLY CHAIN CODE OF PRACTICE

We require suppliers to:

- Review TEPUK's forward work plans, First Point Assessment (FPAL) purchaser profile and attend the annual industry share fair event.
- Actively engage with TEPUK to highlight areas for value adding innovation.
- Only provide goods and services when a valid contract, service order or purchase order is in place.
- Keep FPAL records valid and up to date, ideally with an up to date Advanced Registration Profile / and or Verify Report
- Where requested, implement key performance indicators.
- Request and participate in two way performance feedback.
- Only submit complete and valid invoices with supporting documentation in accordance with the contract.
- Comply with all contractual delivery dates together with specification and quality requirements.



DISCLAIMER and COPYRIGHT RESERVATION

The TOTAL GROUP is defined as TOTAL S.A. and its affiliates and shall include the person and the entity making the presentation.

Disclaimer

This presentation may include forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 with respect to the financial condition, results of operations, business, strategy and plans of TOTAL GROUP that are subject to risk factors and uncertainties caused by changes in, without limitation, technological development and innovation, supply sources, legal framework, market conditions, political or economic events.

TOTAL GROUP does not assume any obligation to update publicly any forward-looking statement, whether as a result of new information, future events or otherwise. Further information on factors which could affect the company's financial results is provided in documents filed by TOTAL GROUP with the French *Autorité des Marchés Financiers* and the US Securities and Exchange Commission.

Accordingly, no reliance may be placed on the accuracy or correctness of any such statements.

Copyright

All rights are reserved and all material in this presentation may not be reproduced without the express written permission of the TOTAL GROUP.