



AquaTerra



œUK

Offshore Decommissioning
Conference 2025

**OEUK – Work Breakdown Structure
Topsides Preparation**

A value driven provider of integrated
construction, maintenance and **inspection**
services and products

Decom | Brownfield | Marine| Renewables

RELIABLE
RESOURCEFUL
READY

TOPSIDES PREPARATION AND REMOVAL SUPPORT

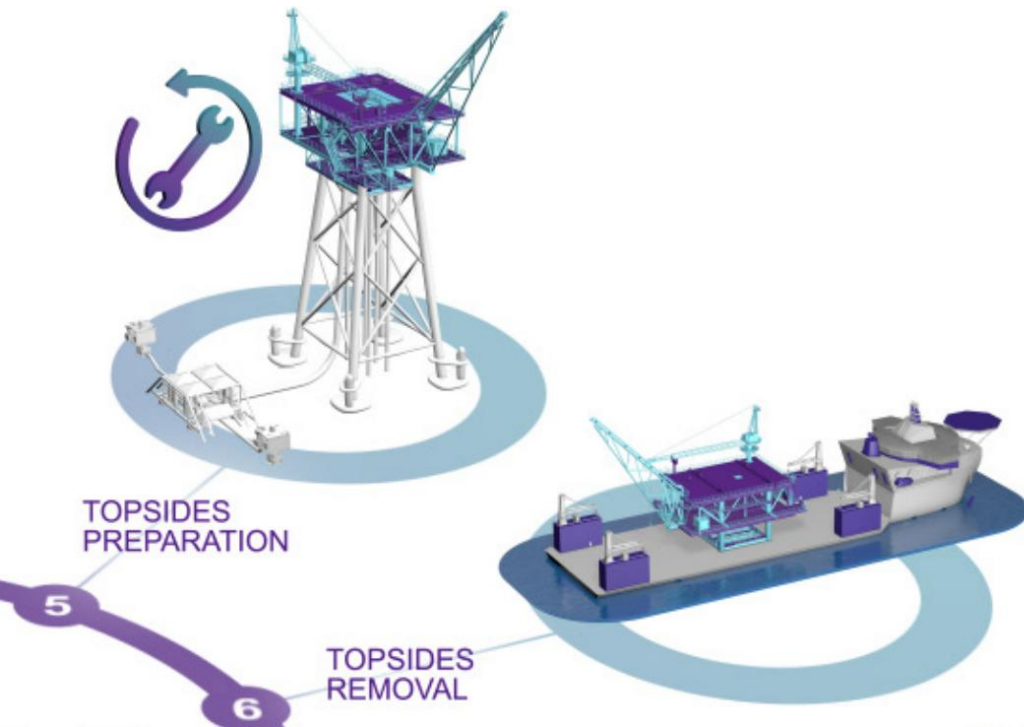
AquaTerra provides specialist decommissioning support primarily to element **5 - Topsides Preparation**, but also element **6 - Topsides Removal** as defined in the OEUK Work Breakdown Structure.

From our perspective there is a very big overlap between these two elements

For example - The method of topside removal will have a huge impact on what Topsides Preparation is required.

SME's like AquaTerra form a critical role for these elements -

- **Early Engagement of supply chain essential to maximise benefit**
 - Proactive Vs Reactive engagement preferable!
 - Technical uncertainty can be mitigated by early engagement
 - Early Condition surveys focused on topsides removal
 - Supply Chain experience should transfer onto the next project
- **Timing & Schedule of activities are critical**
 - SIMOPS with other WBS elements are a significant schedule risk
 - Summer weather window critical for certain preparation works
- **Strong collaboration with operators and HLV contractor essential**
 - Commercial models must incentivise supply chain
 - Fit for purpose mindset necessary for efficient and productive preparation works
 - Optimise Facility Constraints – bedspace, laydown, services, cranes





TOPSIDES PREPARATION AND REMOVAL SUPPORT

AquaTerra have successfully supported several topsides preparation and removal contracts in recent years spanning a range of assets

Typical preparation services provided by AquaTerra –

- DROPS and underdeck condition surveys
- Topside module clearance and separation
- Removal of redundant systems and structures
- Removal of underdeck conductor appurtenances (clamps, braces, bridles)
- Caisson cutting, pinning and removal
- Concrete leg preparation, hazardous material removal and clearance
- Topside removal – underdeck inspection, access and preparation
- Installation of heavy lift points
- Jacket leg separation and castellated cuts



Topside Preparation

Ninian South

Scope of Work: Removal of a range of conductor clamps

- Collaboration with Subsea tooling specialist Tooltec
- Early engagement with CNR to survey, plan and execute
- Installation of QuikDeck suspended access system
- Tooltec subsea tooling launched from QuikDeck platform
- Clamps recovered from subsea to platform for transfer to topside
- Over 40 subsea and splashzone clamps removed over 2-year period
- Pre-rigging of all air hoists allowed all operations to be conducted productively from an in-board local
- Flexible multi-discipline teams executed opportune workscope to remove damaged caisson
- Two-year campaign completed safely



Topside Removal Preparation

Heather Alpha

Scope of Work: Installation of heavy lift brackets on 8 out of 10 legs

- Underdeck condition surveys
- All works completed April - October 2024, concurrently with P&A
- Design Supply and Install QuikDeck suspended access platform
- Facilitated inter-linked access to all lift point locations
- Provision of weather habitats integrated into QuikDeck
- Lift Planning and cross hauling of lifting brackets
- Dim Control utilised for locating lift brackets
- Welding of Brackets by Allseas, supported by AquaTerra
- Good collaboration with EnQuest to facilitate hot works whilst P&A in progress
- Other underdeck workscopes completed concurrently with leg preparation works



Topside Preparation

North Sea, GBS Platform

Scope of Work: Re-instatement of Shear Restraints

- Working in partnership with Wood
- Installation of x6 shear restraints on each leg which will later restrain the topside after leg cutting
- QuikDeck underdeck access platform around each leg to support shear restraint re-instatement works
- The unique spanning capability of QuikDeck allowed underdeck access to span large areas of flat bottom structure
- High load bearing capacity allowed lay down and transportation of brackets (750KG) along QuikDeck, increasing productivity, simplifying lifting operations
- Flexible multi-discipline teams with confined space experience supported underdeck lifting operations as well as internal leg worksopes
- Focus on underdeck operations in summer and internal leg works in winter
- QA and Inspection of all welding activities provided as part of the AquaTerra Multi-discipline team
- Efficient tri-party agreement between AquaTerra, Wood and operator

THANK YOU.