Heather Topsides Removal
Engineering Innovations

Offshore Decommissioning Conference

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25th November 2025

Heather

Decommissioning Together

Let’s take you back to the start…

Engineering Complexity

Operating Legacy systems, using specialised techniques for lifting, cutting and access systems.

Environmental Considerations

Careful handling and disposal of hazardous materials, minimising our ecological impact during decom, and supportive of local habitat.

Logistics and Coordination

Complex multi-vessel operations in challenging weather, multi-functional operations requiring collaborative planning to ensure efficient operations.

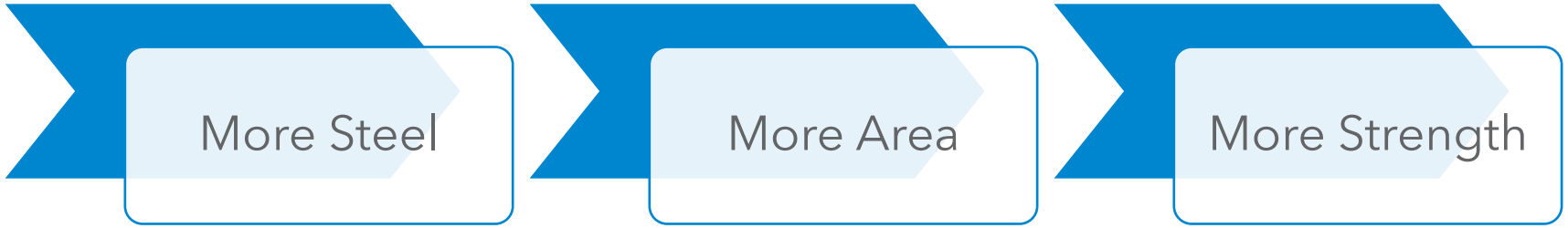
Regulatory Compliance

Partnered closely with regulators to ensure compliance with UK regulations across all aspects of Decom. Challenging the norm to ensure efficient delivery within regulatory boundaries.

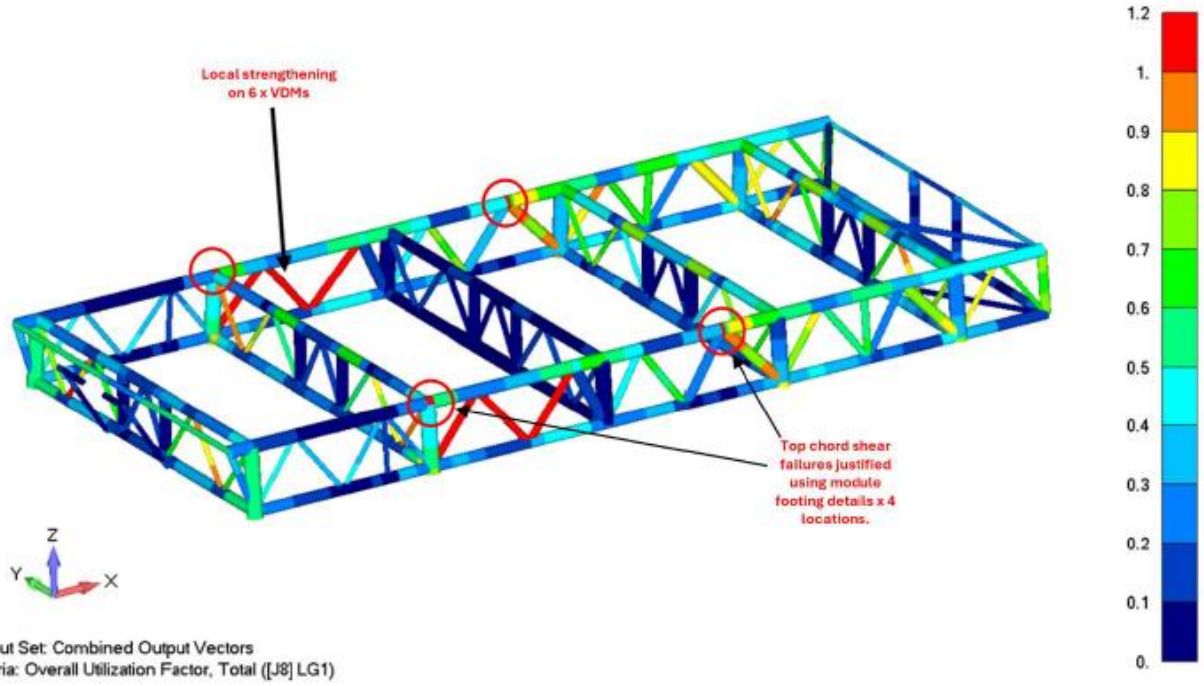
Strengthening behind the scenes

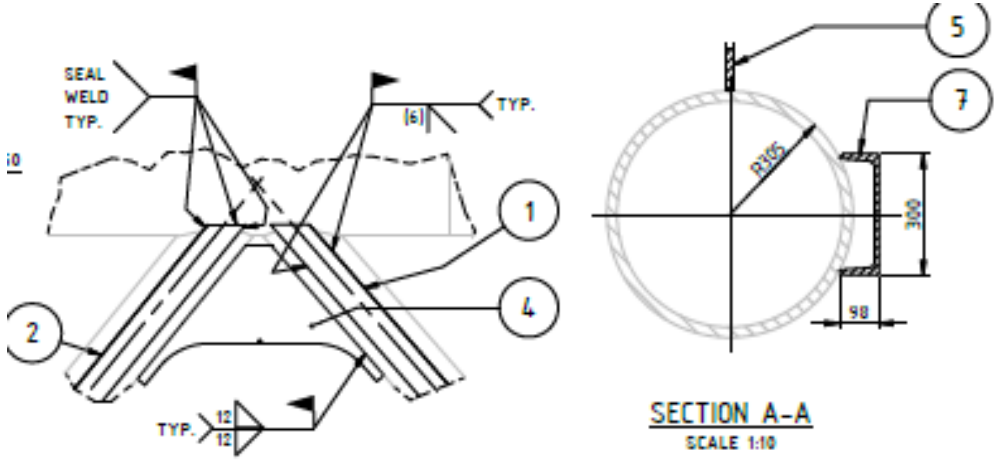
- Multiple phases of the topside removal need to be considered
- When 10 becomes 8
  - The Deck Support Frame identified several members and joints that wouldn't be strong enough when the topside was lifted.
  - 6 vertical diagonal tubulars and associated joints required strengthening
  - Bulk Storage tank running the spine of the Module Support Frame
  - Historical design feature of smaller braces at North of platform

The essence of strengthening;



Minimise Scope – Fit for purpose



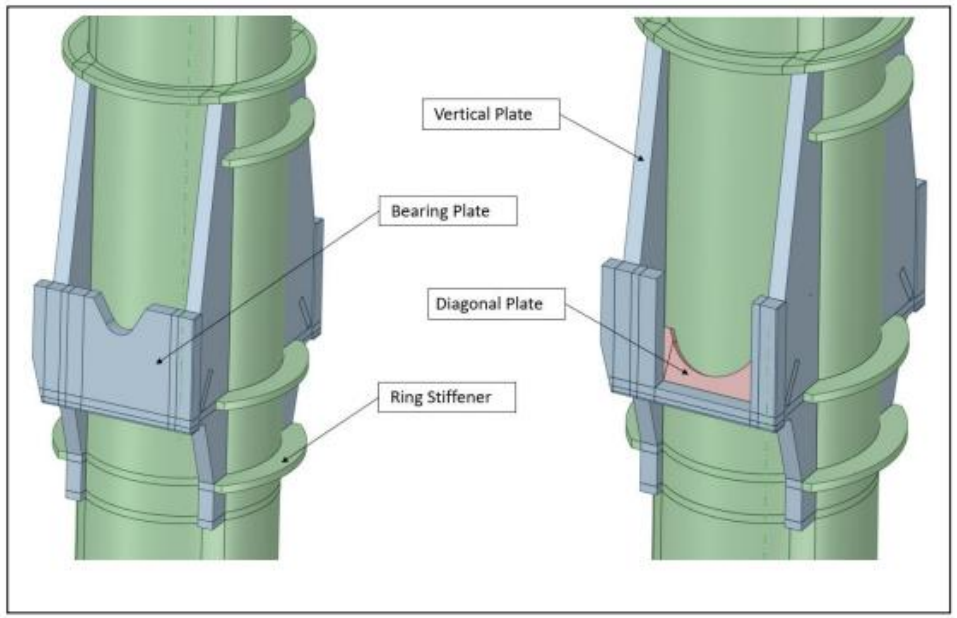


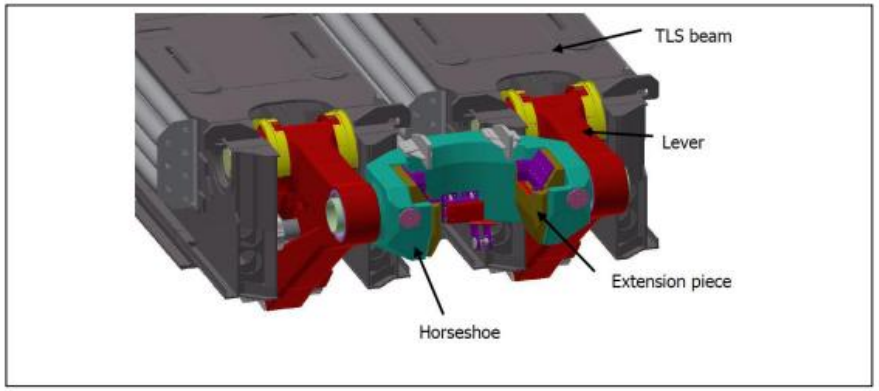
A combination of plate and channel sections welded to existing structure.

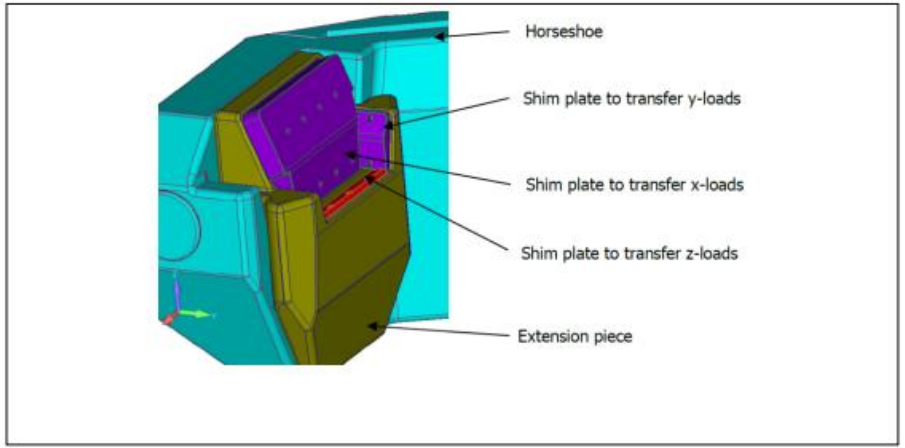

PROTOCOL
Fronius

Bearing Brackets

- 8 Legs identified with 2 lift points (bearing brackets) each.
- Bearing and vertical plate arrangements, Approx 1.7te each and height of 2.8m
- Welded to the leg with a series of ring stiffeners to further reinforce the strength capacity.
- During the lift, the bearing brackets Interface with the horseshoe fitting which is in turn attached to the levers of the TLS beams








KA
1939

Splitting after 50 Years together

Topsides

Cuts

- 7 Caissons
- 41 Conductors
- 10 Legs
- 2 Risers

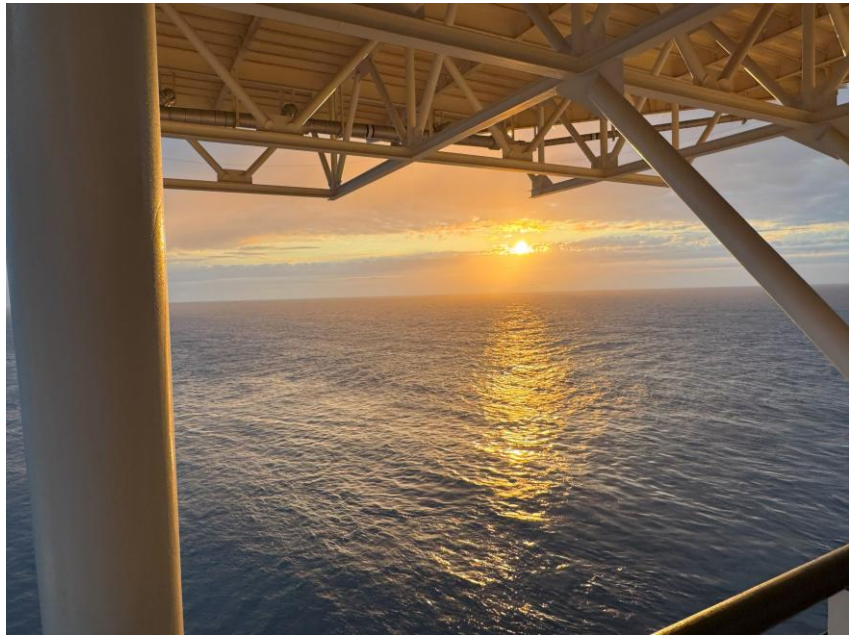
Remove

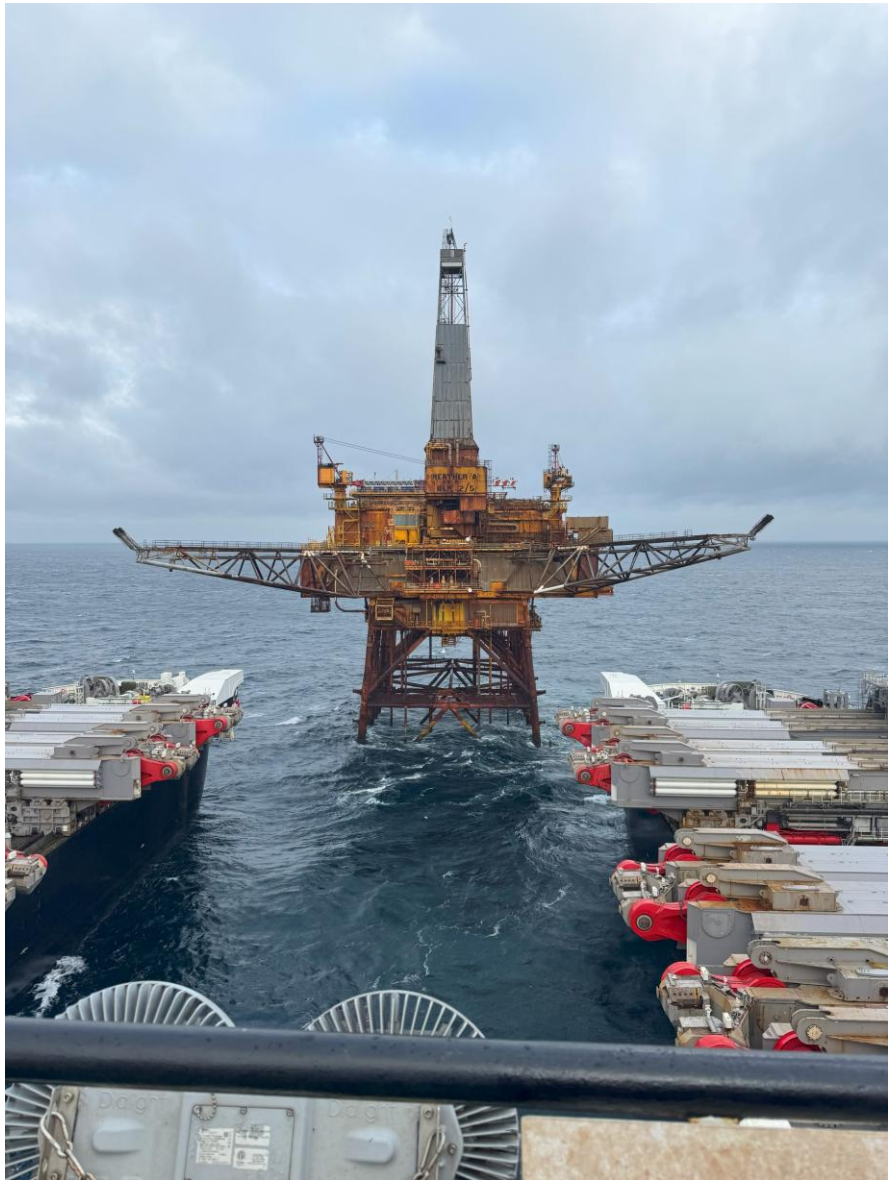
- Dump lines
- Effluent lines
- Staircases
- 5 Risers


Oceanic
Hseas

Go / No-Go

- Hs 2.5m for lift, increasing depending on heading for the transportation up to 4.2m





Summary and Acknowledgements

Project Impact

The decommissioning project reset the bar in areas and honoured the legacy around supporting workforce transition.

Technical Achievements

Significant technical challenges were successfully overcome through expert collaboration and innovation.

Team Acknowledgements

Recognition of the dedication and expertise of teams and partners who contributed to project success.

Engagement Invitation

An invitation for questions and discussion to encourage ongoing learning.

Thank you