

TAQA UK

Brad Youngson

Contracts & Procurement Manager

Malcolm McCombie

Decommissioning Project Manager

POWERING A THRIVING **FUTURE**

The TAQA logo is displayed vertically on a teal background. It consists of the letters 'T', 'A', 'Q', and 'A' in a stylized, white, sans-serif font. The 'T' and 'A' are solid, while the 'Q' has a small circle at its bottom right, and the second 'A' has a small triangle at its top right.

TAQA UK Timeline



2007

Acquisition of
NNS Assets

Cormorant Alpha, North
Cormorant, Eider, Tern &
Brent Pipeline System (Shell)



2009

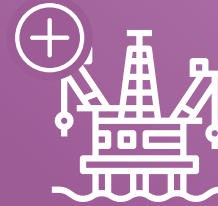
Appointed operator of
NNS Assets & Brent
Pipeline System



2012

Harding Asset
Acquisition (BP)

Harding, Brae, Morrone,
Maclure



2020

Appointed operator
of Brae Assets

Brae Alpha, Brae Bravo,
East Brae



Today

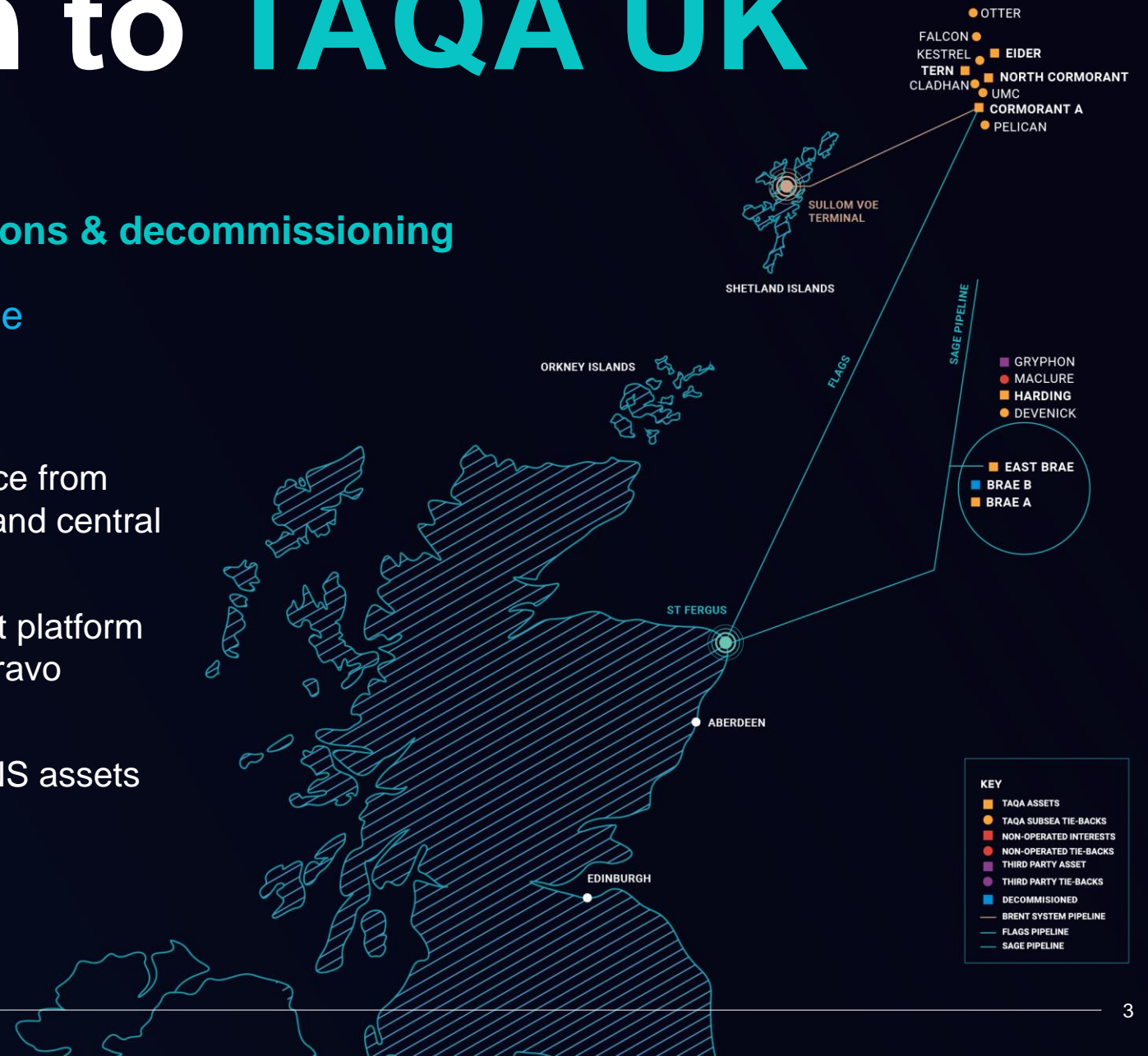
Delivering excellence
in late-life operations
and decommissioning

Introduction to TAQA UK

Delivering excellence in late-life operations & decommissioning

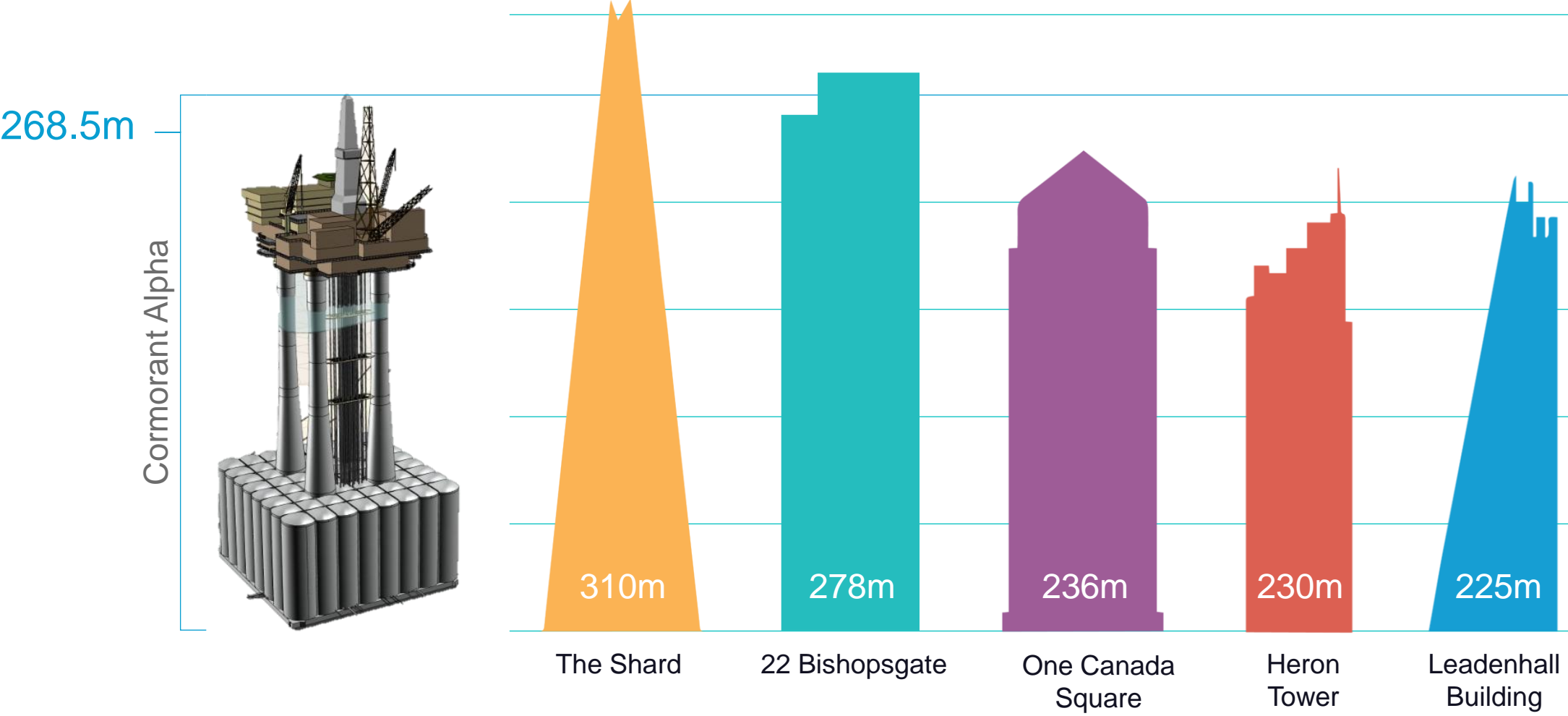
TAQA UK's late-life portfolio puts us at the forefront of decommissioning in the UK

- We operate seven platforms, which produce from several fields spread across the northern and central North Sea.
- Safely and successfully completed our first platform decommissioning campaign of our Brae Bravo platform during 2021/22.
- Working towards CoP of our remaining NNS assets in 2024 and CNS assets in 2027.



Insert TAQA Promo video here

TAQA UK Decommissioning Scale



< Lookback

Previous 3 years

- 37,300 tonne topside + 12,200 tonne jacket removed (Brae Bravo)
- Reactivated NNS platform rigs for P&A Campaigns
- 117 Platform wells and 13 subsea wells abandoned
- Awarded UK's largest single decommissioning contract for NNS assets (Allseas)
- East Brae decommissioning contract (Heerema)
- Mobile rig MODU contract for subsea P&A wells (Diamond Ocean Guardian)

95%
Recycled



Supply Chain Support

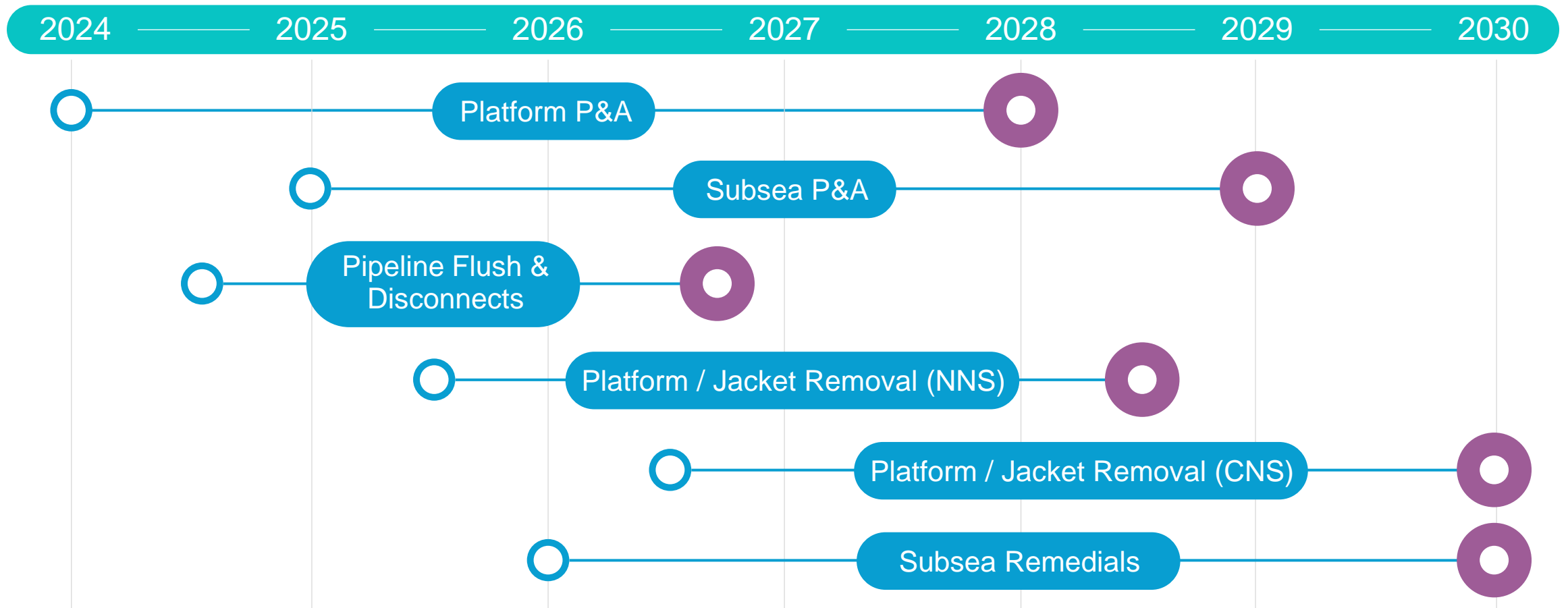
Lookahead >

Next 5+ years

- >152,000 tonnes topsides to be removed
- >67,000 tonnes of jackets to be removed
- Platform wells: 78
- Complete subsea wells: 52
- Wellhead removals: 66
- Significant subsea infrastructure removals

TAQA UK Decom Activity Summary

Approx Dates - Subject to change



Major 2025 Tender Activity



Dates subject to change

Planned Tender Activity

Dates subject to change

2024			2025	
Wells MODU ROV	Operations PSV for MODU Support	Operations Client Representatives	Decommissioning Subsea Remedials	Decommissioning Survival Equipment & Associated Services
Decommissioning Brae Alpha EPRD	Operations ERRV for MODU Support	Operations Hose Management Services	Decommissioning Harding EPRD	Operations Term PSV's
Wells Wellhead Tethering	Operations Vessel Assurance	Wells Wells Engineering Support	Decommissioning Attic Oil Recovery	Decommissioning UMC Removal
Wells Horizontal Workover Control System	Operations Crew Change Accommodation	Wells Tubular Running Services	Wells Subsea Wells P&A – Diving Requirement	Wells Wellhead / Xmas Tree Removals
Wells Fishing & Milling	Operations Helicopter Refuelling Services	Wells Waste Management Services		
Wells Wells Fluids Services				

TAQA UK's Top Decom Challenges



Harding
Removal

The Challenge:
Complex Asset Design



Attic Oil
Recovery

The Challenge:
Niche Subsea Project



Underwater Manifold
Centre (UMC)

The Challenge:
Significant Subsea
Removal

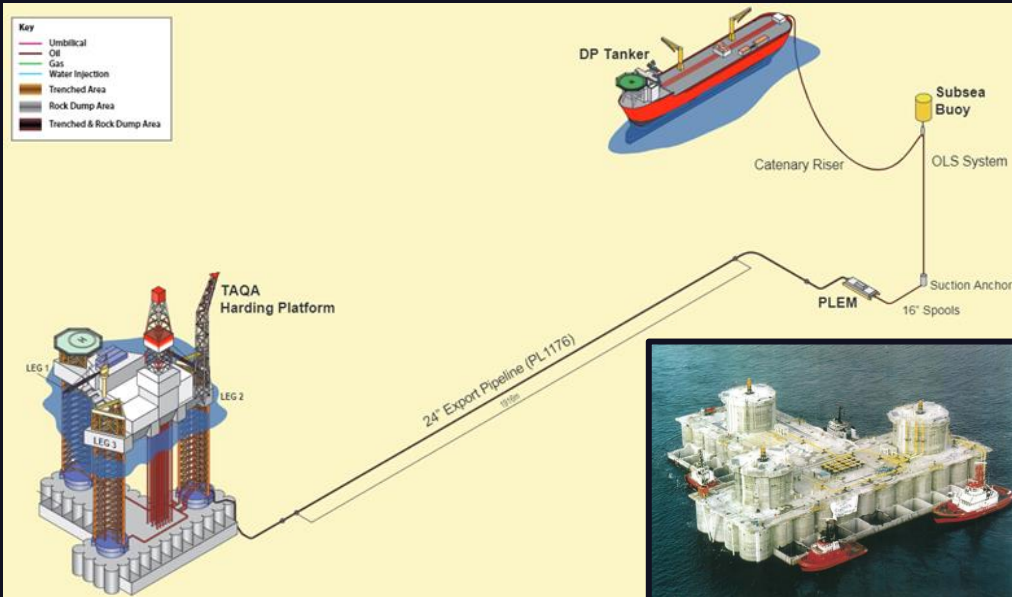


Subsea
Remedials

The Challenge:
Significant Subsea Structure
Removal Projects

INSERT HARDING SPECIFIC VIDEO HERE

Harding Removal & Disposal



Harding is a permanently installed heavy duty steel jack-up production facility.

Supported on a reinforced concrete Gravity Base Tank which acts as a foundation and oil storage tank.

Installed in 1995.
Located in UKCS.
Weighs ~31,675Te.
Jacking system not operated since installation.

- Options for removal:**
- Reverse Installation (Jack-Down and Sail-Away)
 - Alternative Removal (Heavy Lift)

Harding Removal & Disposal

The Harding facility is not a 'conventional' steel Jacket and modular Topsides

Gravity Base Tank

~570,000 Barrels of Oil Capacity

Wells/Conductors

- 23 Wells to P&A
- Conductors tensioned to restrict movement

Hull Structure

Jack-Houses, Locking Systems & Tanks

Leg Chords & Braces

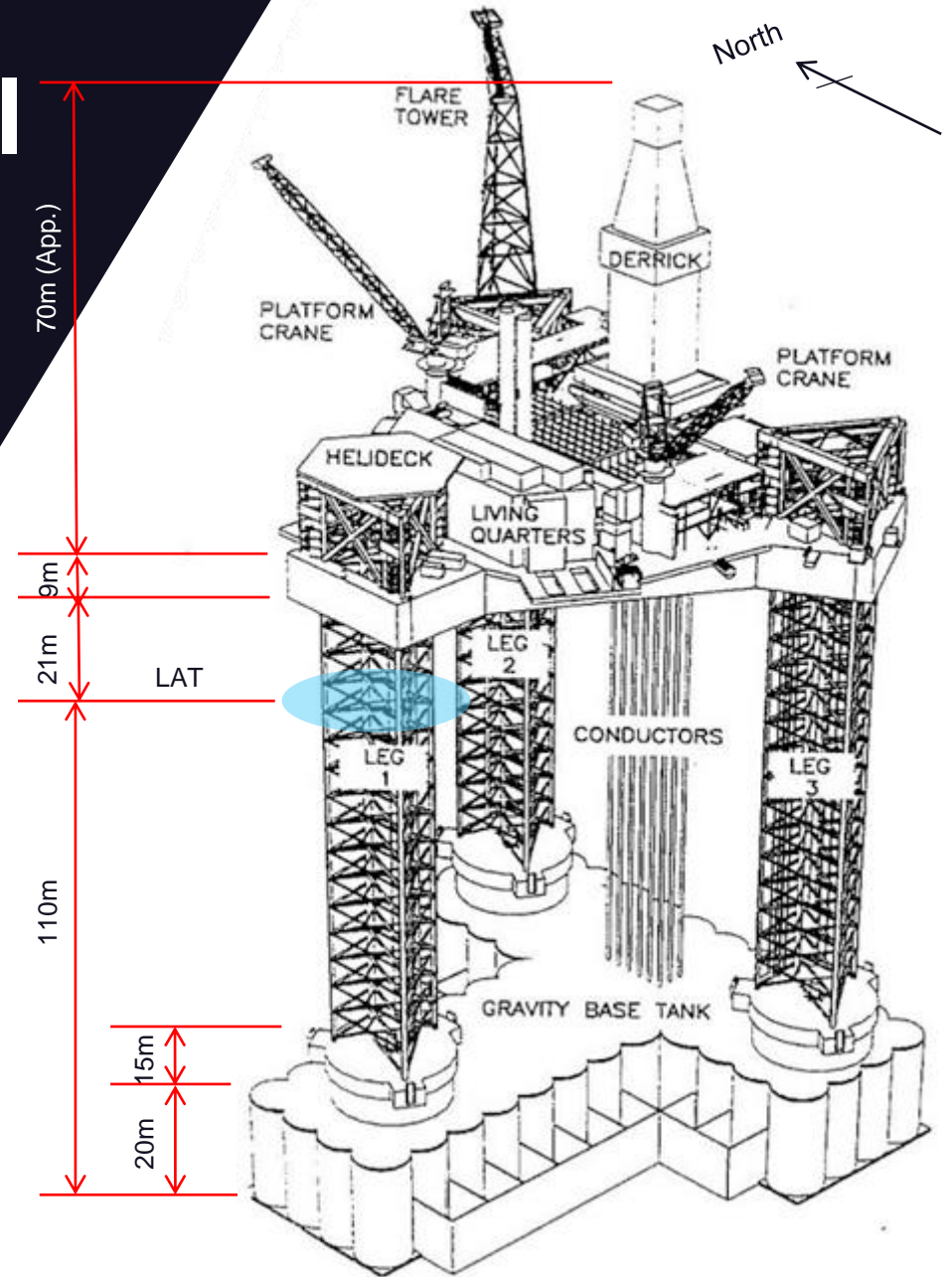
- Caissons, Risers & Transfer Lines
- Tank Latching System

Topside Structures

Process System, Accommodation, Drill Rig & Utilities

Subsea Facilities

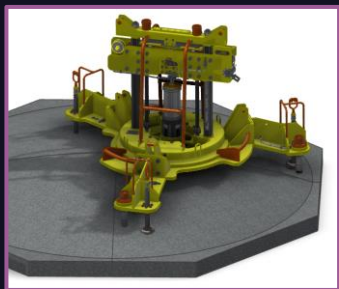
2km pipeline & Offshore Loading System



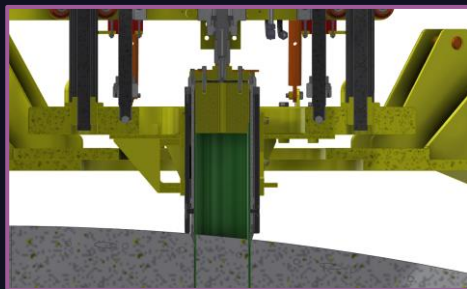
Attic Oil Recovery from Gravity Based Substructure

Recovery of the COA GBS attic oil via Cell Top Drilling (CTD) consists of:

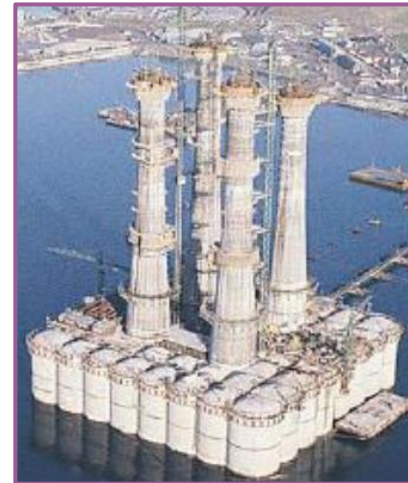
- Development of COA specific tooling - completed
 - Re-location of a significant GBS drill cuttings pile
 - Offshore trialling of CTD Equipment
 - Main execution phase - CTD and transfer of cell contents to receiver cell
 - Recovery of Cell Contents to Tanker for recycle/disposal onshore
-
- Significant quantity of ROVSV days - estimated at ~300 days
 - Tanker requirement for recovery of cell contents



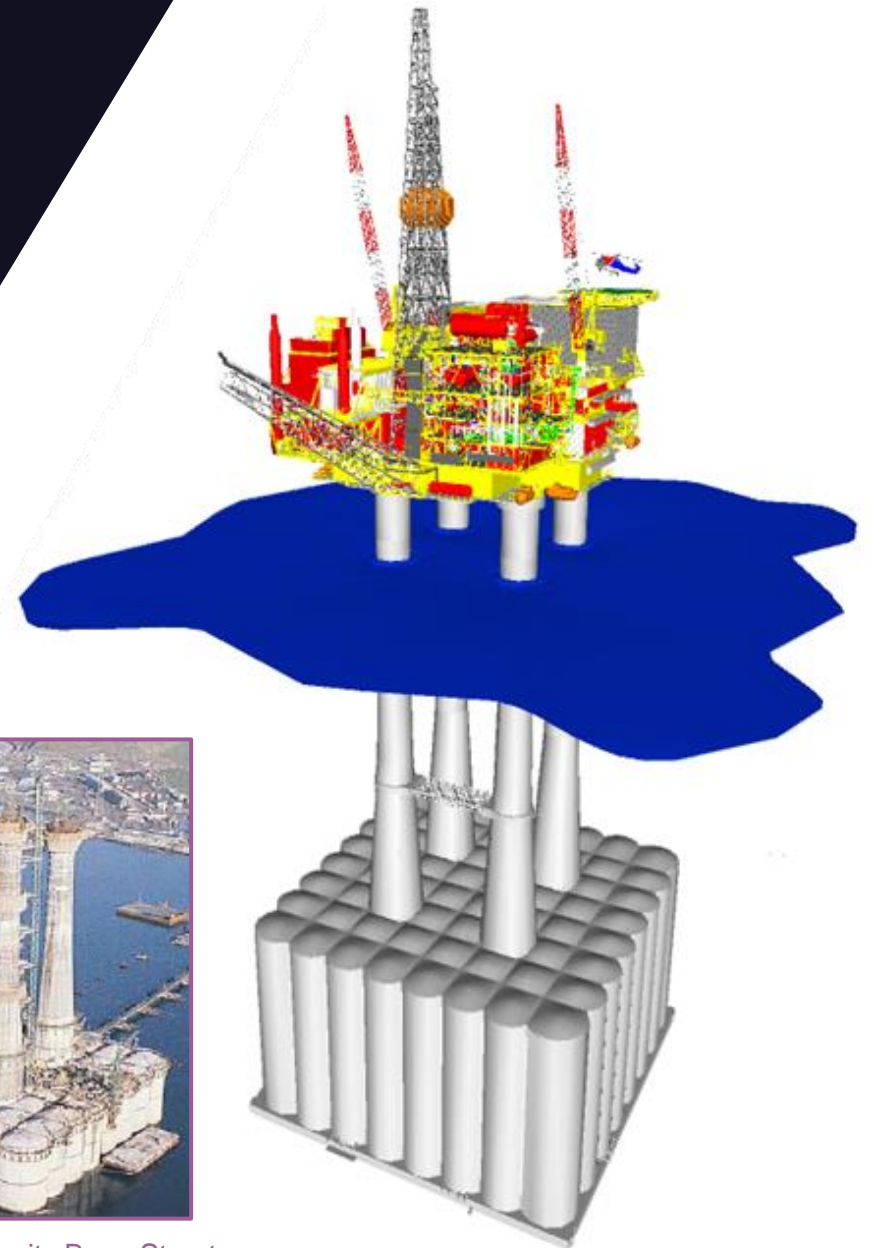
Design



Onshore Testing

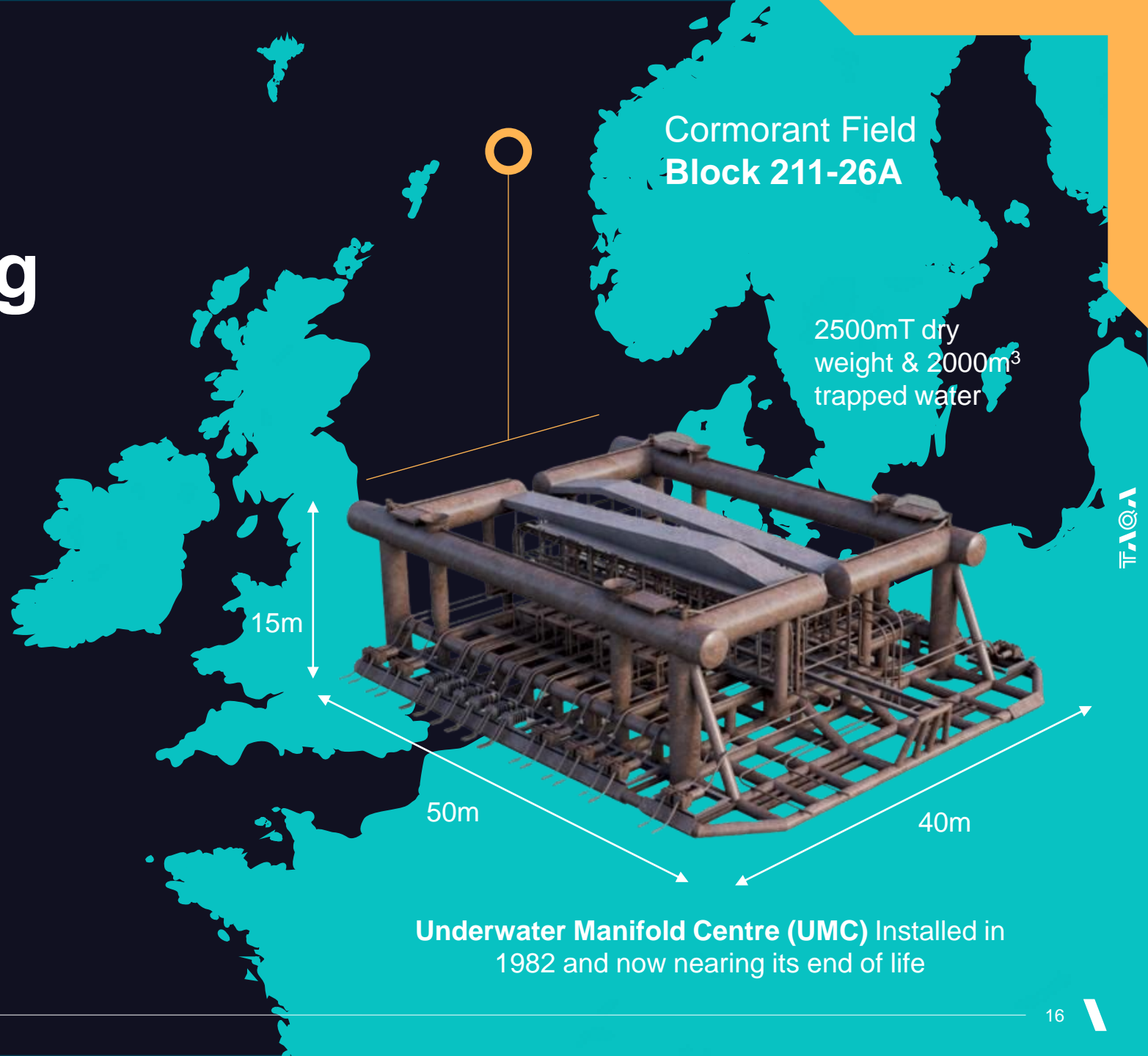


Cormorant Alpha: Gravity Base Structure



Lead UMC Decommissioning Aspects

- No strongpoints for a single piece lift
- Technically challenging to cut foundation
- Drill cutting in perimeter UMC
- Located in Northern North Sea



Subsea Decommissioning – Remediation Programme

The challenge of large-scale subsea removals, remediation and P&A

52 Subsea Trees / 66 Wellheads

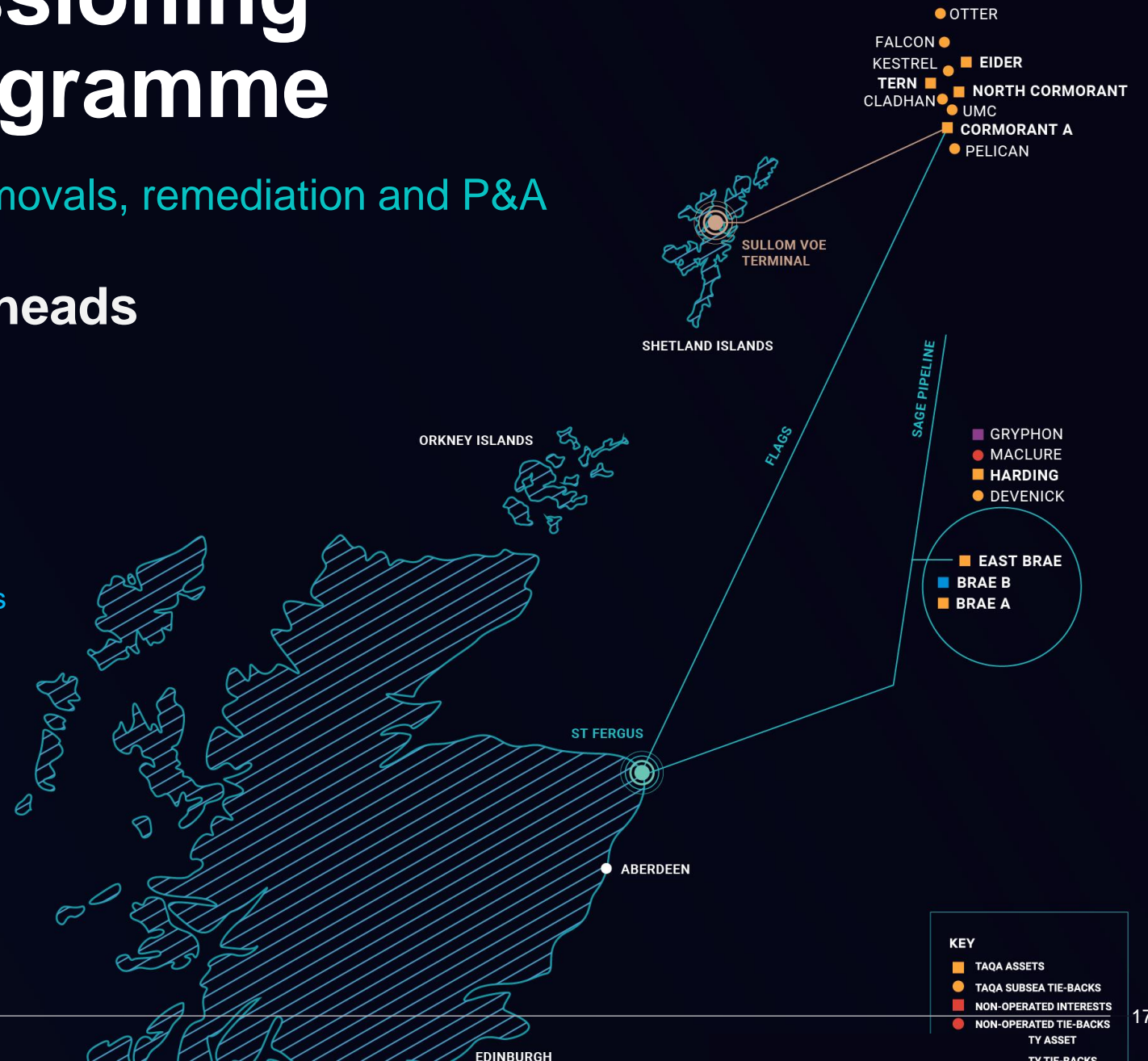
- 34 NNS Wells, 18 CNS Wells, 11 Fields
- 4-year P&A campaign
- Diamond Ocean Patriot contracted

Remove 70+ Structures

- Manifolds, SSIV's, MPP, Protection Structures
- 3 > 600 Te
- 1 > 2,300 Te

1,000 Kilometres of Subsea Lines

Including 36" diameter x 154km Brent pipeline (COA to SVT)



The Contracts & Procurement Team



Craig Innes

**Contracts Team Lead:
Decommissioning**

Craig.Innes@taqa.com



Natasha Morris

**Contracts Lead:
Wells &
Decommissioning**

Natasha.Morris@taqa.com



Kim Middleton

**Contracts Lead:
Operations,
Maintenance & IT**

Kim.Middleton@taqa.com



Kim Turner

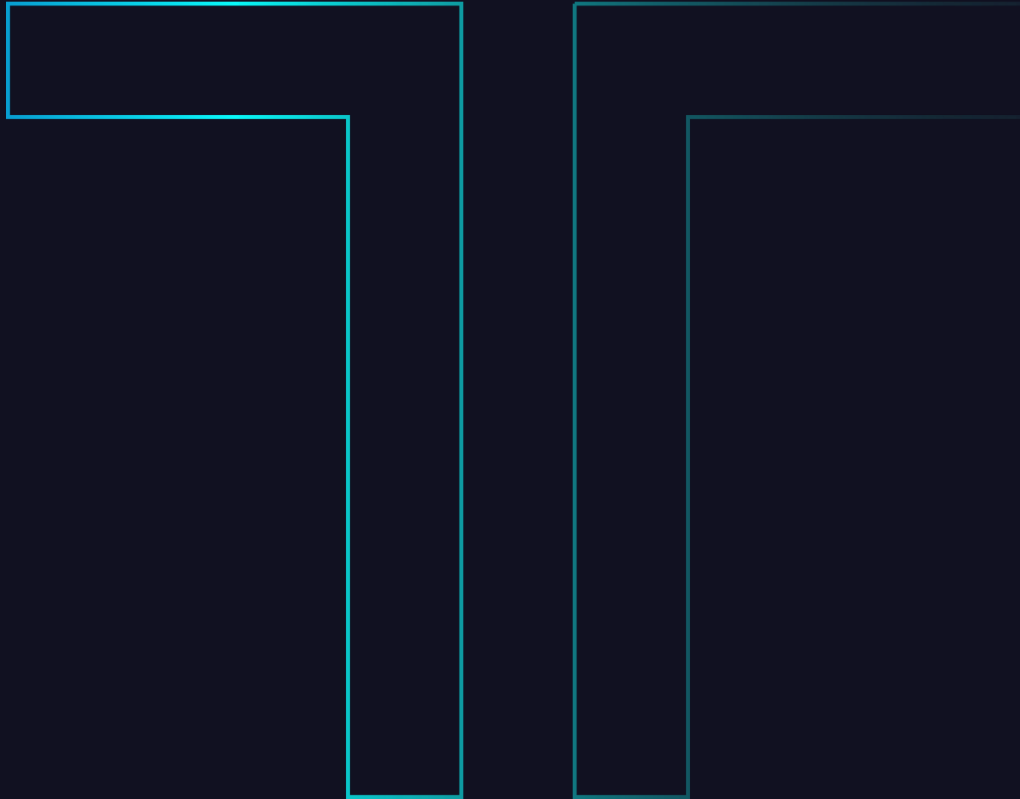
**Contracts Lead:
Logistics, Engineering
& HSSEQ**

Kim.Turner@taqa.com

TAQA UK

Delivering excellence in late-life operations and decommissioning





THANK YOU