

CASE STUDY



ASSET	FIXED PLATFORM	TEAM	7 PERSON (MULTI DISCIPLINED)
LOCATION	NORTH SEA	DURATION	2 YEARS

PROJECT OVERVIEW

Removal of 48 conductors including all grouted clamps, brace clamps, braces, spiderdeck steelwork and various underdeck pipework in preparation for platform topside removal

SCOPE OF WORK

- Provision of underdeck access system to provide long term temporary access to conductors
- Installation of 50t of underdeck support steelwork
- Structural analysis and assessment for access and removal scopes
- Onshore trials for proof of concept for underdeck cutting of conductors
- Destruct and removal of a range of clamps, braces and bridles for conductors
- Destruct and removal of underdeck steelwork and piping
- Management of specialist cutting vendor
- Planning and execution of a high volume of complex lifts



CLIENT CHALLENGES

- Requirement for an underdeck platform under a flat bottom box section structure
- Access required from March – November.
- Aggressive project schedule required high productivity for underdeck worksopes
- Large sections to be cross hauled out from underdeck – complex lifts
- Simultaneous inboard / outboard worksopes



AQUATERRA SOLUTIONS

- 1200m2 Multi –tiered QuikDeck access system, designed, supplied and installed by AquaTerra
- Provided construction-led structural engineering support for project execution
- Use of netting systems to provide full encapsulation when working at height
- Provision of Test Frame for onshore trial cutting of conductors to prove concept
- Multi discipline team all trained in QuikDeck so no requirement for crew changes
- Construction led engineering approach for all destruct worksopes
- Grouted clamp removal contained within QuikDeck and completed in board

ADDED VALUE

- ✓ QuikDeck system allowed client and non-rope access specialist vendors unlimited access to underdeck areas that were never previously accessible.
- ✓ Rapid QuikDeck installation, destruct and modification times resulted in approx. 60% time saving over traditional scaffolding
- ✓ 90% of underdeck destruct operations completed in board resulted in minimal reliance on standby vessel and maximized productivity

