

CASE STUDY



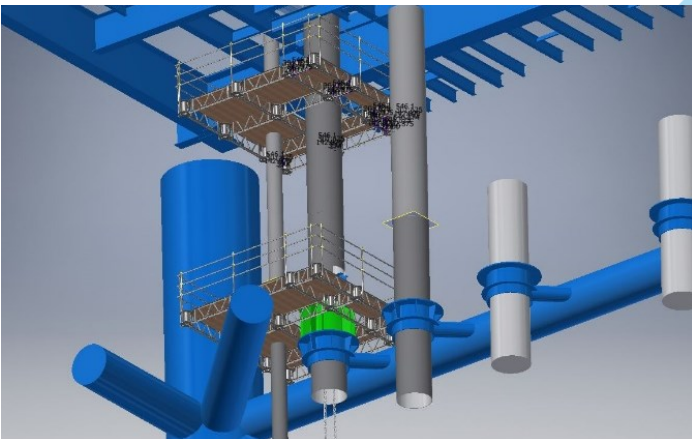
ASSET	FIXED PLATFORM	TEAM	4 PERSON (MULTI DISCIPLINED)
LOCATION	NORTH SEA	DURATION	12 WEEKS

PROJECT OVERVIEW

Removal of existing damaged 36" SWLP caisson and installation of new GMC caisson system. 28t Caisson removed in 18 sections, all completed in board using an encapsulated QuikDeck access system.

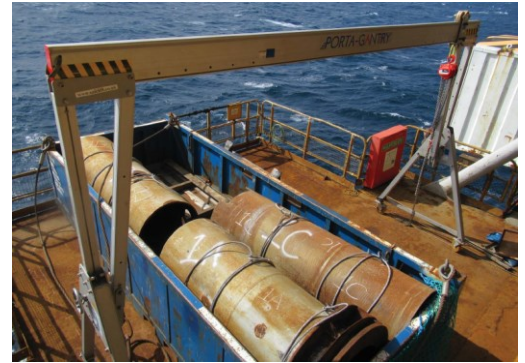
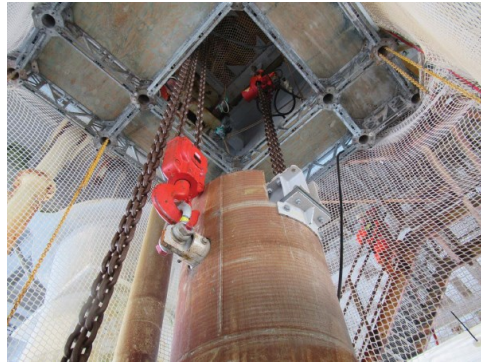
SCOPE OF WORK

- Engineering analysis and procedures for entire project
- Design and supply of QuikDeck access system
- Complex lift plan development
- Provision of Rigging gear and rope access construction team
- Installation of QuikDeck Access Platform to encapsulate cutting and pinning area
- Installation of temporary removal steelwork and DWS
- Cutting, pinning and lifting for removal of caisson in 21 sections
- Installation of new caisson using specialist tooling (GMC)
- Installation of caisson internals



CLIENT CHALLENGES

- Limited headroom inside module meaning high number of cuts / lifts
- Underdeck access normally requires standby cover
- Transport of cut sections on main deck
- Caisson supported by internal back-up support chain



AQUATERRA SOLUTIONS

- Design and implementation of two tier QuikDeck access system tied into spiderdeck
- Preparation of dedicated procedures and workpack
- Netting to encapsulate the QuikDeck and bring the worksite in board
- Utilisation of Porta Gantry system for lifting and transfer of cut sections to half heights
- Supply of AquaTerra bespoke Rigging Loft
- All technicians trained in QuikDeck, so no requirement for personnel change outs

ADDED VALUE

- ✓ Standby cover requirement removed for underdeck works improved productivity by over 50% for underdeck worksopes
- ✓ Use of innovative lifting equipment to improve efficiency and safety (Porta Gantry system)
- ✓ No time lost due to unnecessary change out of personnel

