

### CASE STUDY



<b>ASSET</b>	<b>FIXED PLATFORM</b>	<b>TEAM</b>	<b>6 PERSON</b>
<b>LOCATION</b>	<b>NORTH SEA</b>	<b>DURATION</b>	<b>6 WEEKS</b>

### PROJECT OVERVIEW

Turnkey construction project including engineering design and analysis , project management, lift preparation and management and provision of site construction team for removal of 35 tonnes damaged caisson and deadweight supports below main deck.

### SCOPE OF WORK

- Pre-project familiarisation site survey (Team Lead)
- LOLER lift planner
- Development of lift plans, workpacks
- Structural engineering assessments for deck strength and lifting operations
- Preparation of lifting beams and deck penetrations
- Installation of air hoists
- Trunnion installation and caisson end capping (DROPS)
- Diamond wire cutting
- Transfer of caisson through jacket
- Lift topside using deck crane
- Clam Shell cutting into sections on deck



### CLIENT CHALLENGES

- Short project window of opportunity
- Rapid preparation and mobilisation to site
- Winter operations – limited daylight hours, short weather windows
- Technically complex rigging operation
- Multiple load transfers through jacket steelwork
- Reliance on platform support
- Lack of topside lifting points

### AQUATERRA SOLUTIONS

- Multi-disciplined construction and rigging team
- Total ownership of all project deliverables
- Construction-led engineering approach towards the front-end engineering, planning and execution
- Comprehensive AquaTerra rigging loft dedicated to project
- Provision of specialist rigging and cutting equipment (including contingency cutting equipment)
- Full engagement with engineering team and cutting equipment specialists
- Installation of topside lifting beams in tight timeframe
- Installation of bespoke engineered lifting points to suit platform structure

### ADDED VALUE

- ✓ Engineering – integrated construction-led approach for project delivery
- ✓ Lifting Specialists – LOLER management, specialist equipment, lifting/rigging experts
- ✓ Fallback work – alternative scopes completed when no access to leg
- ✓ Cultural safety behaviours – personal ownership, team responsibility, total buy-in
- ✓ Zero LTI's/FAC's – technical, complex and demanding environmental conditions
- ✓ Project time reduced – total team commitment despite winter conditions

### NATIONAL SAFETY AWARD

AquaTerra was recognised with Total's top UK highest safety award for the safe and successful delivery of this project

