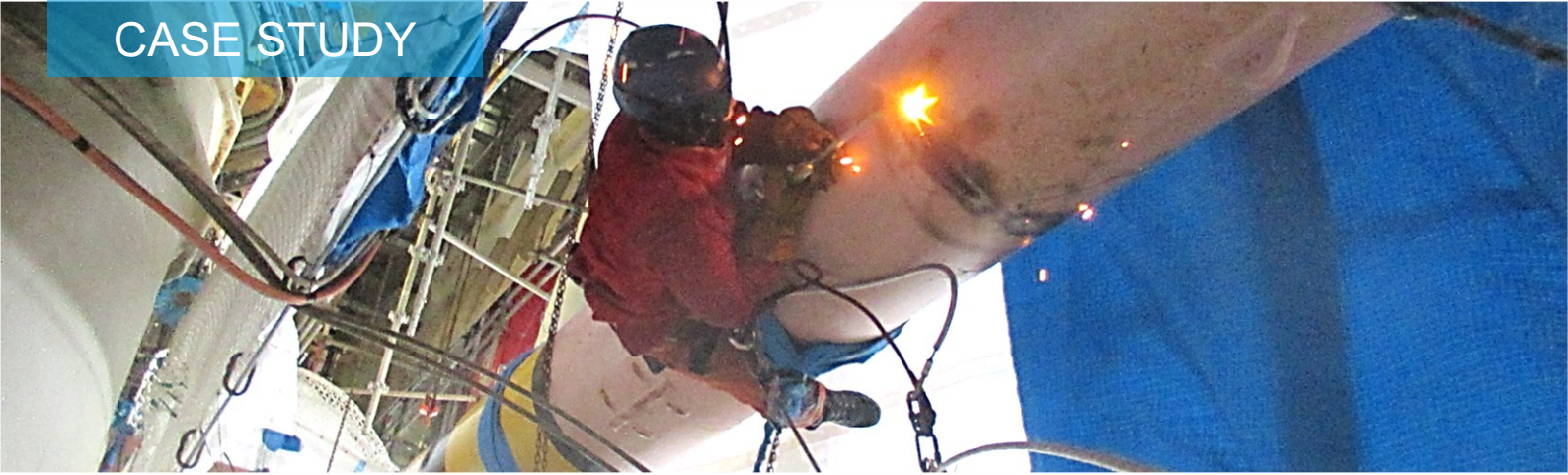


CASE STUDY



**ASSET
LOCATION**

**FIXED PLATFORM
NORTH SEA**

**TEAM
DURATION**

**6 PERSON
1 WEEK**

PROJECT OVERVIEW

Removal of 500 tonnes of transport steel during platform hook-up.

Executed as part of a comprehensive programme of works involving a 70 person AquaTerra team.

SCOPE OF WORK

- Appointed Person and Rigging and Lifting TA to support client lift management onshore
- Development of LOLER Lift Plans for all lifting operations (including complex and heavy lift)
- Preparation and issue of workpacks
- Provision of specialist access personnel and associated equipment
- Provision and installation of access, DROPS and fall protection systems including rope access, scaffolding, AquaNet® and QuikDeck®
- Provision of encapsulation to protect SimOps
- Removal of 500 tons transportation (pink) steel and weld repairs following installation of topsides modules
- PDO sweeps and rectification
- Surface preparation of permanent steelwork for subsequent application of coatings
- Prepare removed sections for offloading and sail-away



CLIENT CHALLENGES

- Major offshore hook up with multiple contractors, critical path construction projects
- Complex scheduling of multiple SimOps and critical path construction operations
- Management of more than 700 personnel on dayshift and nightshift working
- Multiple heavy lifts to be executed in congested areas
- Challenging access to transportation steel members to be removed
- Significant amount of hot work to be executed in restricted and difficultly accessible areas
- Removal operations to be executed as part of critical path scopes

AQUATERRA SOLUTIONS

- Developed a single-cut removal methodology, removing the requirement for further preparation of the steel prior to offloading
- All hot work was executed by rope access, negating the requirement for scaffolding
- Hot works rope defender and permanent hard links to structural steel were utilised
- Client-embedded LOLER lift planner and Technical Authority, enabling effective lift planning
- A multi-skilled team was selected for this tasks so that they could be deployed on other scopes as dictated by the overall programme

ADDED VALUE

- ✓ Innovative access – rope access, AquaNet® increased productivity by 70%
- ✓ Flexibility – sequencing of work minimised impact on SimOps
- ✓ Multi-skilled – small teams, reduced bedspace and mobilisation costs
- ✓ Stand alone – self, sufficient, no reliance on third party support
- ✓ Equipment – owned and managed by us, no lost time waiting on others

