

CASE STUDY



**ASSET
LOCATION**

**FIXED PLATFORM
NORTH SEA**

**TEAM
DURATION**

**12 PERSON
6 WEEKS**

PROJECT OVERVIEW

Flare tips change-out, replacement of radiation panels and completion of DROPS sweep of the Flare Tower structure.

SCOPE OF WORK

- Engineering survey and work pack development
- LOLER lift plans and on-site focal point
- Installation of rigging and lifting systems
- Provision of dedicated rope access construction team
- Piping destruct, replacement and leak testing of piping systems
- Fabric maintenance
- Access, fall protection and dropped object protection systems
- Destruct and removal of redundant walkways and ladders



CLIENT CHALLENGES

- Major offshore TAR programme with multiple contractors, critical path construction projects
- Complex scheduling of multiple SimOps
- Management of more than 100 personnel on dayshift and nightshift working
- Prioritising access to work areas and limited availability of access equipment (i.e. scaffolding)
- Finite project duration and flotel availability, limited contingency
- Scope of work variations throughout execution, significant change management
- Personnel working directly below the flare – high risk potential
- Multiple heavy and complex lifts from flare structure in congested area
- Simultaneous workscopes at several locations (elevations) throughout the flare

PROJECT OVERVIEW

- Selection of a multi-disciplined construction team to provide minimum team with maximum flexibility
- Development of non-complex Workpacks to support individual scopes of work
- Incorporation of fall-back work to minimise potential non-productive time
- Fall protection/DROPs protection encapsulation netting of the flare structure to permit multiple level working within the flare
- Using the above, compartments formed in the flare structure to allow work at multiple levels
- All equipment and access systems supplied by AquaTerra – no reliance on third party support
- Comprehensive rigging lofts supplied by AquaTerra – no reliance on platform supply

ADDED VALUE

- ✓ Full encapsulation of the flare
- ✓ Productivity – multi-skilled team, fall back work
- ✓ Flexibility – maximizing weather windows
- ✓ Stand alone – not reliant on third party or platform support
- ✓ Cost effective – minimum non-productive time
- ✓ Efficiencies – due to high productivity on primary workscopes additional TAR scopes completed without additional cost

