

SUBJECT: CONSTRUCTION INSIDE THE CONCRETE UTILITY SHAFT ON BRENT DELTA

OUR TEAM: 15-PERSON



PROJECT OVERVIEW:

AquaTerra's multi-disciplined team safely delivered column intervention, restart and late life modifications including refurbishment and commissioning works.

KEY CHALLENGES:

- All work sub 77 meters and conducted whilst under full line fed breathing apparatus
- Working to tight construction tolerances +/- 3mm
- Poor lighting and restricted access



TURNKEY OFFERING:

- PDO sweep
- Installation of life support system
- UT and CVI of all oil run down lines and cell fill lines
- Install of new temporary platform deck sub 77m level at 70m
- Isolation and decommissioning of redundant cell fill lines
- Installation and configuration of new pipe systems, vent lines, pumps and valves
- Installation of new manifold platform and manifolds including all instrumentation, tubing, and commissioning work
- Management and procurement of materials and equipment
- Management of sub-contractors
- Extensive pre-job training for working in full line fed breathing apparatus

AGILE APPROACH:

- Matrix of available skills and competence compared against project requirements in order to create the most effective project team
- Marked up steelwork from onshore was lowered into shaft by platform crane and fitted in to position without the requirement to laydown
- Multi-disciplined personnel supplied allowed for flexibility to move personnel between scopes
- Continuous forward resource planning and mirrored back-to-back crews ensured required skills and competences were available at all times



ADDED VALUE:

- Reduced non-productive time increased utilisation and productivity and improved wrench time
- Project completed incident free and within budget and schedule
- Use of multi-disciplined personnel covering all required skills reduced bed space demands

YOUR TOTAL CONSTRUCTION TEAM

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