



Osprey & Merlin Subsea Fields

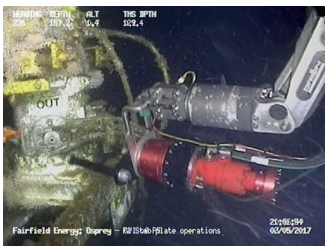
In March 2016, EXCEED was awarded a Well Engineering Support contract by Fairfield Energy for the 16-well subsea well abandonment campaign (16 wells) of the Osprey and Merlin.

Within a very compressed timeline, EXCEED supported the client in the detailed engineering, planning and execution, MODU tendering, relevant 3rd party service tendering and regulatory management to execute the well abandonments.

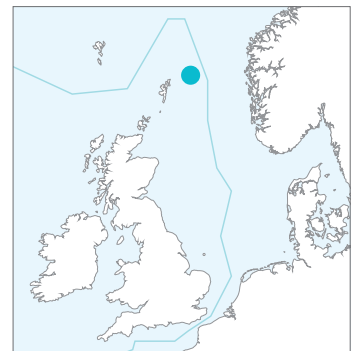
Despite numerous challenges including obsolete subsea equipment and the harsh environment, this project was delivered within its original budget. Additionally, cost per well was in-line with OEUK's benchmark for NNS and CNS subsea development wells.

Project Overview:

Decommissioning of the Osprey and Merlin fields was a challenging project using the Transocean 712 semi-submersible rig for year-round operations in the harsh environment of the Northern North Sea to plug and abandon 16 subsea wells in three separate clusters: eight wells in the Osprey Production cluster, four wells in the Osprey Water Injection cluster and four wells in the Merlin cluster.



- MODU tender comprised a detailed technical evaluation including mooring analysis and vessel motion characteristics to assess year-round operability
- Detailed well review
- Refurbishment and testing of operator owned EDP/LRP system for well intervention access
- Wireline and CT well intervention, through tubing liner cement evaluation and CT cementing.
- Significant subsea ROV scope which included development of bespoke tools and techniques to eliminate the requirement for diving operations from a DSV and associated project scheduling risk.
- Pilot and section milling of casing to set abandonment barriers.
- First use of TITAN system to give repeatable casing cutting and downhole jacking capability in a single trip.
- Managed well schedule and sequence to optimise equipment logistics, crew continuity and subsea hopping between wells of the EDP/LRP or BOP



LOCATION

Northern North Sea

DURATION

690 days
(operations period only)



WELLS ABANDONED

16



ENVIRONMENT

Zero spills



HSE

Zero LTI

FOR MORE INFORMATION PLEASE CONTACT:

Ian Mills | Managing Director +44 (0) 1224 577944 | mills.i@xcd.com

Bart van de Laar | Head of Decommissioning +44 (0) 1224 470319 | vandelaar.b@xcd.com

www.xcd.com