

CASE STUDY- 2021- UK

**Archer delivered extensive P&A campaign on HWO unit**

**Challenge**

A major UK operator had planned to use a platform drilling rig to deliver an extensive P&A campaign in the North Sea. Several of the wells required intermediate barriers to be placed to ensure the wells were abandoned correctly. In the early stages of the project the operator made a decision to replace the rig drilling package with a Hydraulic Work Over Unit which necessitated a step change as to how they could solve annular remediation issues on the wells.

**Solution**

Archer proposed Stronghold® Barricade® system to replace planned section milling operations. The Stronghold® Barricade® system is ideally suited for HWOU operations as eliminates the need for swarf handling, requires less fluids to operate and has minimal torque and rotational requirements compared to section milling. Furthermore Archer also introduced the Samurai® multi- function cutter to allow single trip cement/cut casing operations to be delivered.

**Result**

All intermediate barriers were planned and deployed in line with customer procedures which resulted in successful deployments offshore. A single Archer multi skilled crew provided further combination services which allowed POB and time savings to be achieved above and beyond the original Stronghold® Barricade® scope.



“One of the key concerns we had about making the radical switch from rig to HWU operations was having reliable means of annulus remediation that we could execute efficiently within the capabilities of an HWU. With the support of Archer’s wider team within 2 wells we had optimised our procedures and gained confidence in our ability to consistently execute PWC. All the abandonment barriers we installed utilising Archer’s equipment achieved their objectives.

I genuinely cannot think of an occasion where I had reason to complain about the level of service and attention we received from your team both onshore and offshore. Nothing was ever a problem which was extremely refreshing”

