

ABRASIVE JACKET CUTTING & REUSE

First-ever platform jacket total reuse campaign

xcalibre
abrasive cutting solutions



The Challenge

Deliver the first-ever Platform Jacket Total Reuse campaign for a client in the Gulf of Thailand under the oversight of the Department of Mineral Fuels (DMF). The project also marked the first deployment of the xcalibre cutting system in the APAC region.

The scope involved the recovery of a four-legged platform jacket in 70m water depth, with piles measuring 39" ID x 1.5" wall thickness.

A key technical challenge was to execute pile cuts at a consistent elevation of 5m below mudline across all four legs while preserving the structural integrity of the jacket. This was critical to enable a safe wet tow of approximately 20km, followed by relocation and reinstallation for continued field use.

The operation required highly controlled and consistent cutting performance despite demanding subsea conditions and stringent project requirements.

The Solution

Claxton developed and executed a tailored subsea cutting strategy that combined specialist expertise, proven technology, and precise operational control. A 90m SPRT (Soil Plug Removal Tool) system was deployed to remove soil plugs and prepare the piles for installation of the xcalibre Internal Pile Cutting (IPC) tooling, creating the optimal conditions for the cutting campaign.

The xcalibre Abrasive Cutting Solution was then utilised to deliver controlled, high-precision cuts at a consistent depth and elevation across all four jacket legs, ensuring the structure remained intact and suitable for recovery and redevelopment. To further enhance operational assurance and mitigate risk, adapted Go/No-Go criteria were applied throughout the campaign and supported by Claxton's global pool of abrasive cutting specialists during both planning and execution.

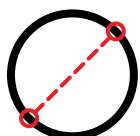
The Result

The project successfully prepared the lower jacket section for safe recovery, relocation, and reinstallation, enabling the complete reuse of the asset following its 20km wet tow to the new location.

The campaign established Claxton's first regional jacket total reuse reference project and demonstrated the successful introduction of xcalibre technology into the APAC market. By eliminating the need for significant new fabrication, the project supported a lower-waste and more sustainable redevelopment approach, delivering both environmental and economic benefits to the client.

The success of the campaign has created a proven, repeatable technical model for future jacket reuse projects and further strengthened Claxton's position as a leader in complex subsea cutting, recovery, relocation, and asset reuse solutions across the region.

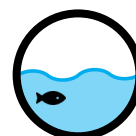
The Project in Numbers



39" Internal Diameter
& 1.5" Wall Thickness



4x Jacket Legs cut
5m below mudline



70m Water Depth

xcalibre IPC being lowered into jacket pile



Jacket being lifted after completion of abrasive cutting

