

SUBSTRUCTURE REMOVAL

Safe & successful removal of 36 offshore platforms

The Challenge

Claxton was engaged to deliver a critical role in one of the largest decommissioning campaigns in Southeast Asia. The project involved supporting the removal of 36 offshore platforms across the Gulf of Thailand - a complex scope that included 32 conventional jacket structures and 4 tripod platforms.

Each structure presented unique engineering and logistical challenges, from managing aging infrastructure to ensuring safe and efficient dismantling in a busy offshore environment.

The Solution

The scope included complex cutting and soil removal operations. Claxton executed Diamond Wire Saw cuts on inbound and outbound risers at two levels, plus conductor cutting on selected platforms.

For four-legged jackets, Claxton's proprietary Abrasive Water Jet Cutting (AWJC) technology was selected for its proven long-term performance and applied at two critical points: mid-water (jacket and pile) and below the mudline (piles only). To enable these cuts, the Soil Plug Removal Tool airlifted soil from inside jacket legs, providing access for AWJC up to 5 meters beneath the seabed.

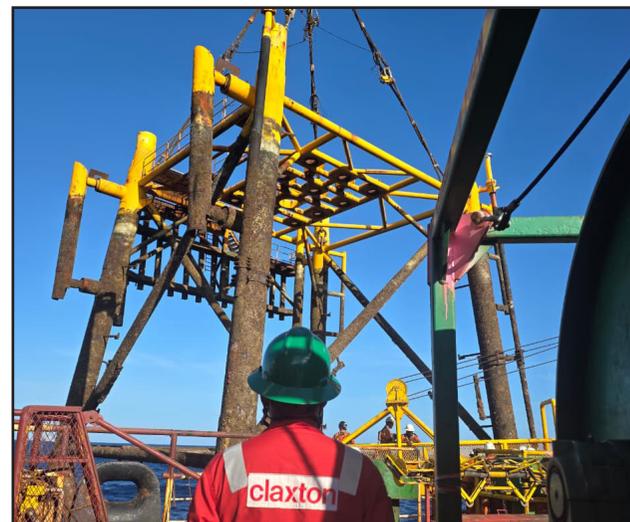
Removed topside & substructure sections - Jackets cut with Abrasive Water Jet



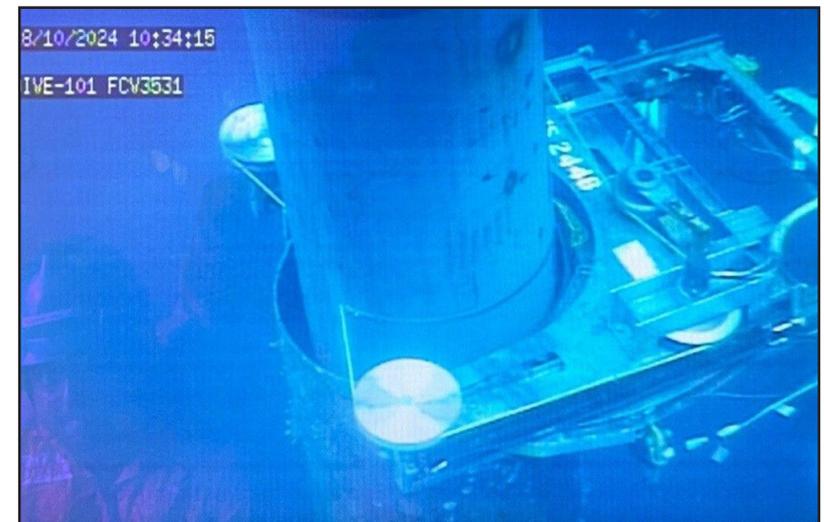
Abrasive Water Jet Cutting Operations



Jacket substructure recovery



Diamond Wire Saw cutting subsea conductor



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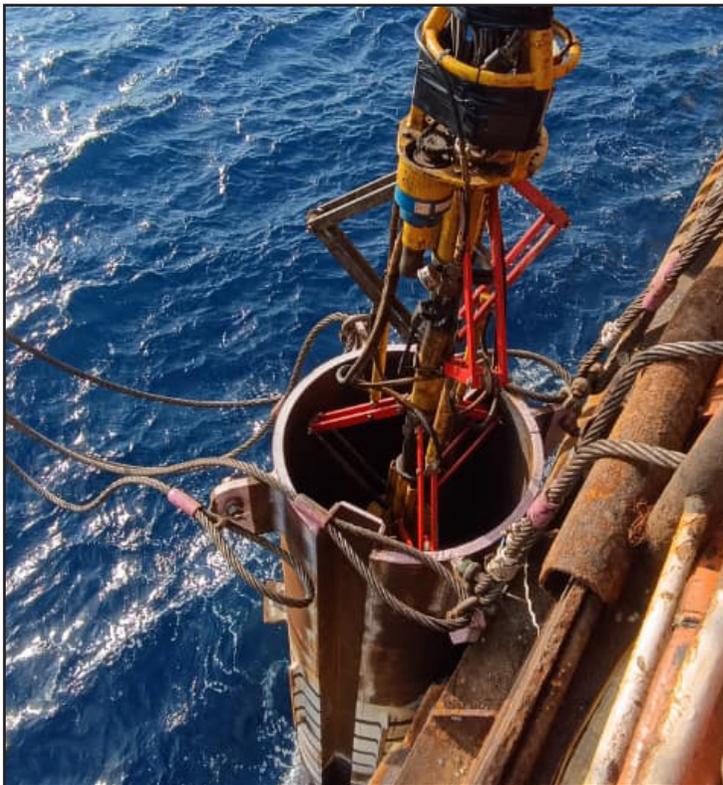
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The Result

In total, the campaign achieved 282 cuts using Abrasive Water Jet Cutting, 47 cuts with Diamond Wire Saws, and 140 successful deployments of the Soil Plug Removal Tool. These operations enabled the safe and efficient removal of 32 conventional jacket structures and 4 tripod platforms.

The project was delivered over 458 days with minimal non-productive time and consistently high operational standards. This success was driven by daily collaboration, open communication, and a shared sense of responsibility across all teams - ensuring that every stage of the process met the client's expectations for safety, efficiency, and performance.

Abrasive Water Jet Cutting Deployment - Internal Pile Cutting



Cut subsea piles recovered to vessel deck



The Project in Numbers



36 Platforms Removed



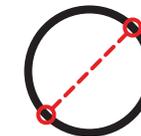
47 Cuts with Diamond Wire Saw completed



140 Deployments of Soil Plug Removal Tool



282 Internal Pile Cuts



Jacket/Pile Size Range - 36" up to 56"



Project time - 458 Days