

## North Rankin “A” – Drill Derrick Deconstruction Project

**Client: Woodside Energy Limited (WEL)**

### Overview

Woodside engaged AEC to perform engineering studies, detailed design, lift-planning and 5-months of site-supervision for the dismantling and removal of the redundant 60m high, 200-tonne steel drilling derrick on North Rankin “A” offshore production platform.

### The Challenge

The upper 20m section of the derrick was out of reach of the facility cranes and personnel access was extremely limited.

### The Solution

AEC developed an innovative solution by designing a *Hiab* crane support frame that could be slid up the centre of the derrick on existing rails and used to ‘stick-deconstruct’ the upper 20m, from the top down.

AEC then developed specialised lift plans to remove the lower derrick sections in modules using the facility cranes, including tandem and single module lifts.

A multitude of custom rigging items, temporary steelwork and specialised lifting aids were required – all of which were designed by AEC.

### Outcome

The project was executed on time and without incident, with the Client & Rigging Contractor expressing praise for AEC’s design and on-site support efforts.

The highly successful project featured in Woodside’s quarterly *Trunkline* magazine.

