



CASE STUDY

TRADES PROJECT NORTH RANKIN ALPHA DERRICK

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CLIENT: Woodside Energy Ltd

FACILITY: North Rankin Alpha

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1 / Introduction

A six month front end engineering and design followed by a six Month execution phase deconstructing the North Rankin Alpha derrick structure. Vertech supplied all specialist tooling, personnel and project support to effectively, efficiently and safely manage and complete this challenging project.

Vertech was engaged by Woodside Energy limited along with Transfield Worley and Alliance engineering to design, Manage and Execute the separation of the electrical and hydraulics of the derrick sub structure

from the fixed Offshore platform and complete the deconstruction of this significant structure using innovative methodologies to Improve efficiency and safety.

2 / Innovation

Multiple new methodologies and technologies were custom designed to complete this project including

- Custom debris netting systems
- Custom designed DROPS management systems
- Customised cutting technologies and tooling
- HIAB crane mounted on a purpose build structural frame for the stick deconstruct phase
- 3D modelling and design
- Mock up derrick structure and onshore training and familiarisation prior to mobilisation
- New electrical isolation and inspection tooling.



3 / Project Summary

Despite numerous considerations and a high level of environmental and safety controls Veritech were successfully able to remove the entire derrick structure within the allowed timeframe surpassing expectations and illustrating what a well-managed rope access company can achieve. Veritech worked closely with the client and stakeholders through the design phase to ensure a smooth delivery phase which in turn allowed our teams to commence the job with the best possible work packs, lift plans, safety management and change management processes in place. Our Multidisciplined IRATA rope access teams were able to support all electrical and isolation activities prior to the commencement of the destruct phase allowing them to finish this component ahead of schedule Aswell as supplying and coordinating the mobilisation of all the

offshore containers, access equipment, netting and specialist cutting/ drilling tooling veritech provided the personnel resources for commencement of the destruct actual including:

- Project supervisors
- IRATA Team leaders
- IRATA Mechanical Fitters
- IRATA NDT technicians
- IRATA Rigger/Scaffolders
- IRATA Crane & HIAB operators
- IRATA Electrical & EEHA inspectors
- Onshore project management & support

4 / Reference Contact Details

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