

CASE STUDY

NORTH RANKIN ALPHA DERRICK

✉ info@vertechgroup.com.au

🌐 www.vertech.com.au



VERTECH

INTRODUCTION

Vertech was engaged by the client along with the stakeholders 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.

PROCESS

Vertech collaborated with the client and stakeholders during the design phase to develop detailed work packs, lift plans, and safety strategies. Prior to deconstruction, IRATA-qualified teams conducted electrical isolations and inspections. Vertech managed full mobilisation—including containers, netting, and specialised tooling—while deploying a multi-disciplined rope access crew for the dismantling. Innovations included custom DROPS systems, debris netting, 3D modelling, and a HIAB crane on a purpose-built frame. Onshore mock-up training ensured teams were fully prepared.

OUTCOME

The entire derrick structure was removed safely and ahead of schedule, despite strict environmental and safety controls. The operation exceeded expectations, showcasing the efficiency and capability of Vertech's integrated rope access approach.

