

CASE STUDY

VERTECH GROUP

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OFFSHORE ASSET CONSTRUCTION BASELINE

NO SMOKING

Seadrill





1 / Introduction

Vertech secured a contract to offer baseline class inspection services for two offshore floating facilities during their construction phase in South Korea. This case study delves into the

comprehensive process and methodologies implemented by Vertech to ensure a streamlined and efficient inspection approach in alignment with the tight project schedule.

2 / Innovation

Vertech, with its innovative approach, prioritised facilitating hull and tank inspections, which were pivotal for the project's life cycle. This was especially pertinent given the 40-year design life envisioned for the Ichthys Project. The objectives behind these baseline inspections were multi-dimensional. First, there was an emphasis on pinpointing key locations that would later act as foundational benchmarks for ensuing operational inspections. Additionally, there was an earnest effort to compile and structure data that would be invaluable for planning future inspections. This data provided a general overview and highlighted specific zones that might necessitate unique access methods, such as rope access. A third focal point was to refine the process of

assessing the time and resources essential for inspecting tanks during their operational phase.

However, Vertech's innovative strategy went beyond just the physical inspection. They were intent on fostering the right environment for collaboration and creating robust documentation mechanisms. This was evident when they responded to INPEX's tender. Vertech meticulously crafted Project Documents that covered an array of areas, including the Scope of Work, the Project Management Plan, and vital safety protocols. This endeavour culminated in a holistic set of documents that demarcated the roadmap for the project's duration.

3 / Project Summary

Vertech gathered a formidable team comprising nearly 40 expert inspectors and auxiliary staff to address the stringent classification prerequisites. This assembly was instrumental in proficiently addressing desktop and field requirements, spanning the journey from South Korea to the ultimate destination in Australia.

This diverse team was characterised by a rich blend of professionals, enveloping roles such as Senior Hull Tank Inspectors, NDT Technicians and their Assistants, Structural and Inspection Engineers, and Rope Access Supervisors and Technicians, among others. Graduate Engineers also added value to the team dynamics.

The strategic implementation of non-destructive testing (NDT) methodologies was central to the inspection framework. This ensured that the inspections were exhaustive and aligned with recognised standards.

The client's feedback was a testament to the triumph of the project. They extolled Vertech for

their agility in adapting to ever-evolving schedules and their unyielding commitment to safety, notably winning them several safety accolades. Other commendable aspects included their acute sense of spotting and rectifying issues. The precision in their reporting was particularly invaluable as it informed the shaping of in-service inspection parameters and brought updates to pivotal management instruments. Notably, Vertech's methodical modus operandi culminated in crafting a HAZIDs directory for every tank, spotlighting any supplementary risks for ensuing consultations.

Capturing the essence of the project's success, Annamaria Greenwood, a Senior Corrosion, Materials, and Inspection Engineer, extolled Vertech's unwavering commitment to clear communication, operational efficiency, and a forward-thinking approach to challenges. Such attributes solidified Vertech's reputation, positioning it as a top contender for future in-service inspections.



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