

# CASE STUDY

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# GORGON & WHEATSTONE LNG PLANT CONSTRUCTION

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## 1 / Introduction

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Veritech embarked on a significant project tasked with providing rope access teams to conduct quarantine inspections on modules arriving at Barrow Island from Asia. The

project's commencement soon revealed Veritech's potential in inspections and various other trades when rope access was applied.

## 2 / Innovation

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As the project progressed, the efficiency of trade-qualified rope access teams was observed. Instead of relying solely on third-party scaffold engagement and separate trade labour, as was the standard practice, Veritech's teams were employed to undertake roles spanning from mechanical to welding scopes. This integrated rope access approach with specific trade tasks led to notable time and cost savings. In particular, the work packs, designed initially with third-party scaffold costs in mind, were completed under budget, affirming the financial advantages of Veritech's method.

Veritech's distinct approach also fostered innovation on multiple fronts. One such instance was when

a borescope inspection disclosed significant debris in the header lines leading to the MR and PR compressors. Drawing from their diverse skill set, the team established safe confined space access systems, navigating through complex pipework configuration to inspect and clean over 800 meters.

Another testament to Veritech's innovative approach was their ability to mobilise their multi-skilled rope access teams quickly. Unlike traditional access methods, such as scaffolds or EWP's, Veritech's teams could establish rapid access to any plant part, facilitating prompt task execution without needing separate teams.

# 3 / Project Summary

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During their involvement in the project, Vertech provided a range of services. These services encompassed pipefitting, mechanical and hydraulic fitting, steel erection and modification, and welding-related tasks such as cutting and grinding. Additionally, the team carried out structural rigging, installation, the formulation of engineered lifting plans, maintenance and preparation of Ex equipment, and cabling and application of coatings.

By the project's conclusion, Vertech had allocated

95 personnel and logged almost 300,000 LTI-free person-hours. The methodologies and knowledge Vertech gathered from the Gorgon project were applicable to this specific endeavour and found relevance in other industries, including the Petrochemical sector and other construction and maintenance areas. This experience showcases Vertech's aptitude for adapting to various project requirements.



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