

CASE STUDY

VERTECH GROUP

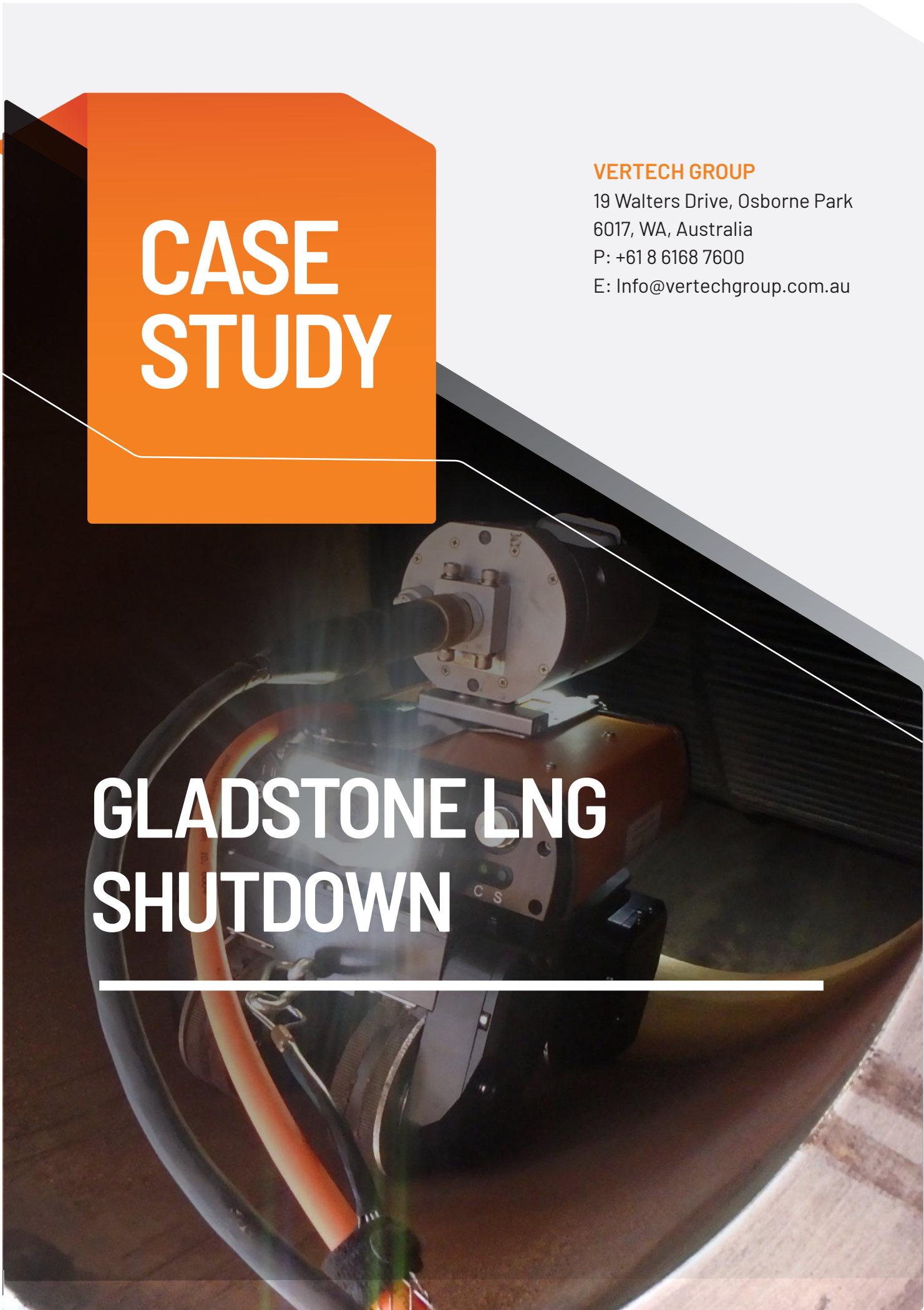
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GLADSTONE LNG SHUTDOWN





1 / Introduction

2019, during a significant operational shutdown of Train 1, Santos commissioned Veritech to conduct inspection services at the Gladstone LNG plant. This LNG plant on Curtis Island near Gladstone, Queensland, represents a collaborative effort between Australia Pacific LNG, Santos,

and PETRONAS. Established in 2015, this facility processes natural gas extracted from the Surat and Bowen basins, converting it into a liquefied state to facilitate more accessible storage and transportation. Annually, the Gladstone LNG plant boasts a production capacity of 7.8 million tonnes.

2 / Innovation

Veritech used a mix of traditional and advanced methods for inspections, including NDT, ISI, and RDVI with crawlers. Components were inspected at different intervals, ranging from 2 to 8 years. The inspection covered various aspects of the

plant, including hard-to-reach areas, using unique approaches like rope access methods.



3 / Project Summary

The project's success was attributed mainly to the meticulous planning and preparation phase. Vertech teams delved deep into inspection work packs to grasp the scope fully. This enabled them to estimate labour and equipment requirements efficiently. The culmination of this planning saw Vertech dispatching specialist inspection personnel and equipment to the site, equipped with detailed RDVI, CVI, and NDT work plans.

As the project unfolded, more than just the initially defined scope was addressed. The team's adaptability shone as they incorporated several additional inspections that emerged during the

shutdown. This extended scope covered various pressure vessels, piping systems, and other NDT inspections of process, plant, and structure.

Conclusively, Vertech's expertise ensured the successful and safe completion of the project within the stipulated time and budget. This was further affirmed by positive feedback from the Santos operations team, appreciating the depth of the work scope and the efficacy of the inspection methods.



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