CASE STUDY

VERTECH GROUP

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COOPER BASIN PIPELINES





1/Introduction

Vertech Group completed a highly successful Vertech Group completed the project on time project proving our pipeline inspection package. and within budget, utilising conventional film The scope focused on inspecting interconnecting processing, Rigaku external X-ray systems and flowlines that ranged from 3" through to 8" in JME Crawler systems with mobile truck-mounted Diameter and ran from Ballera in Southwest labs. Queensland (QLD) through to Moomba in South Australia (SA).

3 / Project Summary

Vertech Group successfully executed a pipeline operational phase. Such rigorous assessments inspection project to assess interconnecting mitigate expensive and hazardous future flowlines, varying in diameter from 3" to 8". malfunctions, underpinning the importance of These pipelines span from Ballera in Southwest consistent evaluations for both new and existing Queensland (QLD) to Moomba in South Australia (SA). pipelines. This is essential for the safe and elongated transportation of liquids or gases.

The project punctually was executed and within the prescribed budget. The project's location, the Cooper Basin, Techniques involved: boasts vast onshore petroleum and natural gas Conventional film processing reserves. Pipelines from this region supply gas Rigaku external X-ray systems to major cities, including Brisbane, Adelaide, and < ⊘ JME Crawler systems Sydney. Spanning roughly 127,000 sqm, this basin The team also employed mobile truck intersects the northeast of South Australia and mounted labs to ensure efficiency. southwest of Queensland. Notably, the oil and gas reservoir sits 1,250 m below the surface. It was Pipeline radiography is a pivotal method for first identified in the 1960s, with the inaugural inspecting pipelines during construction. This commercial gas discovery in 1963. Despite the proactive approach identifies defects, such as significance of onshore deposits, even more, welding imperfections or material inclusions, extensive oil and gas reserves lie offshore.

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ensuring pipes are defect-free before their

2 / Innovation

Spanning from Ballera in Southwest Queensland construction. This diligence ensures defect-free to Moomba in South Australia. Focusing on pipelines, significantly reducing potential hazards flowlines with diameters ranging from 3" to 8", and costs in the future, which is particularly vital the team adeptly utilised a blend of conventional for the significant gas reserves in the expansive film processing, advanced Rigaku external X-ray Cooper Basin. This basin, covering an impressive systems, and JME Crawler systems. To bolster 127,000 sqm, not only serves important cities efficiency, mobile truck-mounted labs were also but also stands as a testament to Australia's rich deployed. Emphasising the value of their state- onshore and offshore petroleum legacy, tracing of-the-art radiography approach, pipelines are back to discoveries in the 1960s. meticulously scanned for imperfections during



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