

CASE STUDY

DSL JETTY ALTERNATIVE ACCESS

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VERTECH

INTRODUCTION

To support critical blasting and painting works, an engineered suspension deck was introduced to create an encapsulated working area. This system was designed to reduce loading on the jetty's degraded under-structure by distributing weight across the pylons. The project prioritised safety and environmental protection, employing sponge jet technology for the controlled removal of high-lead coatings.

PROCESS

The suspension deck operated on a rolling work-front, tailored to the structure's geometry. Sponge jet blasting was used with a reusable media, which was continuously recycled via a vacuum recovery system. This system filtered lead-contaminated waste into sealed 204-litre drums, ready for disposal by licensed removalists. The encapsulated deck also functioned as an access system, effectively containing airborne contaminants to safeguard workers and the surrounding environment.

OUTCOME

The project was completed without disrupting jetty operations, maintaining the client's production levels. Airborne contaminant levels remained well below national exposure limits throughout the works. Vertech's solution successfully balanced structural integrity, environmental compliance, and operational continuity.

