



HAMILTON NORTHSHORE

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BMD GROUP
\$0.33 M

To facilitate the Hamilton Northshore Major Roadworks Upgrade project, DEMEX was engaged to complete asbestos removal and demolition of two large portal frame sheds. Located adjacent to the Brisbane River, the project involved high risk operations due to the proximity of live high voltage power lines and traces of radioactive material in one of the sheds.

The team carried out both A Class asbestos removal and structural demolition under tight constraints, using high reach equipment and full-time spotters to maintain safety. Shed K, the most complex of the two standing at 17 metres tall, was brought down within three days despite significant environmental and structural challenges.

CHALLENGES & SOLUTIONS

- **Live power lines adjacent to Shed K** – With HV lines just 2 metres from the structure, DEMEX engaged full-time electrical spotters and used high reach equipment to ensure safe clearance during all works.
- **Structural complexity of portal sheds** – One of the sheds contained internal columns, requiring the structure to be demolished in two controlled stages: eastern and western bays.

This allowed for a safe and sequential dismantling approach to prevent uncontrolled collapse or release of steel.

- **Presence of aluminised mineral sands (radioactive traces)** – Aluminised mineral sands (containing low level radiation) were present in Shed K. Prior to demolition, crews completed multiple days of hazmat vacuuming in full PPE to remove trace contamination. A Class asbestos removal was also undertaken across various sheds, including vinyl flooring and pipework.
- **Live site management and progressive material handling** – To avoid excessive material stockpiling on site, DEMEX implemented a progressive steel loading process. This allowed materials to be removed to maintain site access.

HIGHLIGHTS

The project was completed with zero safety incidents despite high risk conditions near a public road, live powerlines, and contamination. DEMEX addressed these challenges to deliver the project on time, working collaboratively with BMD to complete the job safely and efficiently.