



MUL037 MULWALA EXPLOSIVES FACILITY

FEB - JUN 2020
THALES (AUSTRALIAN MUNITIONS)
\$5.6 M

DEMEX was engaged by Australian Munitions to demolish 43 buildings in the Mulwala Explosives Facility in regional New South Wales. The site included an array of operations including oil refineries, chemical processing plants, and storage depots that carry chemicals in large quantities.

CHALLENGES

The location and historical purpose of the project site raised significant challenges demanding expert approaches in hazard remediation to enable project delivery according to best practice safety and environmental standards.

DEMEX used equipment cleverly with task-specific attachments to reduce risks. A built-in dust suppression head attachment significantly minimised risk of ignition; 125 foot knuckle booms provided access to elevated areas to remove aged, fragile asbestos eliminating exposure of personnel; and a custom fabricated blade attachment was used to process steel tanks.

Hazards to be remediated were complicated by a number of factors, not limited to: the scale of the operation; the number of workers onsite operating concurrently in multiple work zones; potential for volatility as equipment engaged with high risk chemicals, often concealed; and removal of fragile, aged asbestos containing materials.

OUTCOMES

A strong focus on recycling and safe disposal meant 100 percent of concrete and steel was committed to recycling.

All works were conducted while the site remained operational and during peak COVID mandates that impacted project delivery.

