

CASE STUDY

Impact Group NSW has extensive experience with mobile abrasive blasting and protective coatings.

For almost 30 years we have provided these services to major commercial and civic projects as well as small construction jobs.

HERITAGE RAIL TANK

Impact Group NSW were engaged by Sydney Trains to assist in the restoration of the Penrith Rail Heritage Water Tank.

This 20,000 gallon water tank, elevated on steel structure, was built in 1921 to service the steam trains of the time. The tank had fallen into significant disrepair and required specialist treatment to restore it to it's former glory and preserve it for future generations.



CHALLENGE

Due to the existing lead paint and corrosion of the water tank and supporting structure, it was essential that the work be carried out in a way that would protect the heritage value of the tank as well as the surrounding environment.

Client

Sydney Trains

Location

Penrith, NSW

Job Value

\$120,000+



RESULTS

With the restoration complete, this piece of Australian rail history will stand proud for many years to come.



SOLUTION

The water tank was encapsulated and sealed in an airtight enclosure, fitted with a diesel powered 30,00 cfm dust extraction system to process the contaminated air. The surface was abrasive blasted to remove the corrosion and existing lead paint. The surface was primed with Dulux Zincode 402, mid-coated with Dulux Duremax GPE and top coated with Dulux Weathermax HBR.

1

Abrasive Blasting

Abrasive blasting is the preferred process for surfaces requiring preparation or refurbishment. This process can suit any surface including brickwork, steel, concrete, timber and waterproof membranes.

2

Protective Coating

Industrial protective coatings are widely used on steel structural elements to prolong the lifespan and integrity of the asset. Protective coatings limit the exposure of exterior and interior metals to variable environmental conditions including salt and chemical corrosion, extreme weather and fire events.