

# Capability Statement

25 Jun 2018

# HI TECH INDUSTRIAL SERVICES PTY LTD

## INDUSTRIES SERVED

CONSTRUCTION &  
ENGINEERING

MINING

OIL, GAS & ENERGY

RAIL

WATER

## Company Details

**Address:** 3 Watsford Road  
CAMPBELLTOWN NSW, 2560 Australia

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**Fax:** +61 2 9820 4644

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**Email:** mark@hitechindustrial.com.au

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**Web:** www.hitechindustrial.com.au

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**ICN Gateway Company ID:** 111751

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**Employees:** 25

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**ABN:** 88 052 482 032

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**Locations:** 2

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**Local Manufacturer:** No

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**Foreign Manufacturer:** No

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**Importer:** No

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**Exporter:** No

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**NT CAL Accredited:** No

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**Works in Remote Locations:** Yes

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**Australian Indigenous Owned:** No

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## Contacts

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Since 1991, Hitech Industrial Services has been involved in projects across a vast array of industries, ranging from small short duration capital works to major infrastructure developments. This Australian company has a broad offering of services with a multi discipline capability in areas above or below ground, whether it's in rail, road, bridge, tunnel or marine works and facility maintenance and industrial cleaning. Hitech Industrial Services uses ultra-high and high-pressure water for pipe and tanking cleaning, hydro demolition, concrete removal and cutting, vacuum work, waste removal and nondestructive digging.

## Summary

Hitech Industrial was one of the first companies in Australia to use ultra-high-pressure water jetting to remove concrete. All the images, case studies and videos on the [www.hitechindustrial.com.au](http://www.hitechindustrial.com.au) website are projects actual projects that have been completed. Capabilities in this area include examples such as:

- . Removal of a ROM backstop at a mine sites
- . Blade wall robotic cutting of concrete
- . Ultra-high-pressure water jetting of concrete piles and soffit
- . Removal of concrete beneath a steel plates in concrete dolphins

- . Concrete cancer on ramps/stairs
- . Bridge decks and parapet beams
- . Dam spillways
- . Powerplant industrial services
- . Bridge joints and sides
- . Diaphragm walls
- . Deck /floors/walls car park and concrete structures
- . Pillars and piles
- . Tunnels including post TBM removal of concrete hangers
- . Exposure of couplings

## Description

Hi Tech Industrial Services is an Australian owned and operated company that was one of the early adopters of Ultra High Pressure (UHP) Hydro Demolition and Water Jetting Services. Formed in 1991 we have worked on some of the major infrastructure projects in Australia. Water jetting is an interesting and sometimes unheard of means of removing concrete, cutting steel and industrial cleaning. However its many benefits mean that we can cut into tunnels, bridges, wharfs without damaging the reo bar. We assist clients with surface preparation meaning fast, easy, environmentally safe way to cut through tough build ups of

paint, elastomers, epoxy, corrosion, scale and other surface deposits without damaging underlying surfaces or substrates. Our surface preparation solutions utilize ultra high pressure waterjet and water blasting equipment to remove soluble salts, microscopic solids and chemical contaminants using small volumes of water without hazardous chemicals. Whether removing built up or reacted product from a tank or silo Hi Tech has tools and the know how to safely and efficiently clean any size tank or vessel using ultra high pressure water jetting equipment. Hydrodemolition is the process of using high pressure

water, typically from 15,000 psi to 40,000 psi, to remove a specific depth from a concrete surface. Hydrodemolition is very effective for use in areas of deteriorated, or contaminated concrete but is also commonly used for traditional overlay work when a specific depth of concrete removal is required and the structural steel will be re-used. Hi Tech uses both manual means of water jetting and robotic machines. Depending on the project we have the capability to move around the country with a series of teams. Our core corporate office team ensure that the

projects are quoted, delivered and quality managed whilst our field workers are ramped up as each project commences. Being an Australian owned and operated company we have loyal workers who have been with us for many years and have seniority, respect and a reputation for delivering on time performance to our clients including such companies as John Holland/CPB, Abi Group, Abergeldie, Lend Lease, Grocon, RMS, Sydney Water, Sun Water CSR, Bechtel, Duratec, Baulderstone, McConnell Dowell, Leighton - to name but a few.

## Associations

- > WJTA,
- > Australian Concrete Repair Assoc
- > Australasian Corrosions Assoc
- > NSW Chamber of Commerce
- > Family Business Association Australia
- > Australasian Tunnel Society
- > Engineers Australia

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## Major Clients

- > Abi Group
- > Buildcorp
- > Duratec
- > Abergeldie
- > CSR
- > James Hardie
- > RMS
- > John Holland/CPB
- > Lend Lease
- > Leightons
- > Baulderstone
- > Bechtel
- > Grocon

## Industries Served

- > Construction & Engineering
- > Mining
- > Oil, Gas & Energy
- > Rail
- > Water

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## Products & Services

- > Hydro Demolition
- > Shutdown cleaning/servicing
- > Vacuum excavation
- > Ultra high demolition
- > Concrete cutting
- > Cold Cutting (steel)
- > Concrete preparation
- > Concrete cancer remediation
- > Pot holing
- > Tunnel/bridge/wharf concrete works
- > Non destructive digging
- > Shoring and slot trenching for subsurface power lines  
power poles and pilings for energy companies
- > Excavation and Vacuuming Maintenance and Installation  
Pits
- > Trench excavation for infrastructure project
- > Cutting piles on bridges and wharfs
- > Removal of glue on public swimming pool
- > Cleaning of tanks and silos
- > Cutting of steel/concrete tanks/silos

## Facilities

- > 20 plant/pumps
- > 10 Trucks
- > 5 Robotics
- > 2 Vacuum Units

## Previous Significant Projects

2018

**Fairburn Dam**  
**\$300,000**

**Client: SUN WATER QLD**

Cutting of rebates into spillway walls with the robotic aqua cutter and subsequent cleaning of the undamaged reobars

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2018

**Swanson Dock- Melbourne**  
**\$1,500,000**

**Client: DURATEC**

As part of a wharf rehabilitation program Hitech Industrial Services used hand lancing and robotic hydro demolition to remove 500m<sup>3</sup> of concrete over 10,950 hours.

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2015

**KURNELL WHARF**  
**\$300,000**

**Client: SAVCOR- DURATEC**

Hydrodemolition to slab beams and soffit for concrete remediation on the Caltex Wharf to facilitate and extend the life of the wharf.

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2014

**Cold Cutting**  
**\$600,000**

**Client: Synergy - Wattyl**

Hi Tech Industrial Services were contracted on a project which involved the cutting of small man holes to 52 tanks both above and below ground to enable cleaning and decommissioning. Over a period of two months with a 2-3 person field team working, the process was assessed by Hi Tech's technicians to benefit by using a cold cutting technique. This evaluation was made based on the type of highly flammable and poisonous contaminants in the tank.

2018

**Kingsford Smith Drive**  
**\$400,000**

**Client: LEND LEASE**

Kingsford Smith Drive is a major thoroughfare in the city of Brisbane. Hi Tech Industrial Services have been commissioned by Lend Lease to perform "Pile Trimming" along the road as part of the upgrade from four lanes into six lanes which will reduce traffic congestion

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2016

**Lithgow Mine - NSW**  
**\$400,000**

**Client: AUSTRALIAN SHAFT DRILLING**

In what is believed to be an industry first, Hitech Industrial Services used its leading cold cutting system to penetrate some 200 metres below ground and cut a ventilation casing at 12 metre intervals so that it could be removed. With casings at 3 metres in diameter the project was undertaken during winter with a 90 tonne crane winching the damaged casings from the ground

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2015

**Legacy Way**  
**\$1,000,000**

**Client: TRANSCITY JV**

The Legacy Way project in Brisbane saw Hi Tech engaged in a range of services including Cold Cutting of pre stressed anchors. The method of Cold Cutting was used on this project due the anchors being injected with a highly flammable water proofing substance, this didn't allow for the contractor to use the normal method of de stressing the anchors. Hitech utilised its cold cutting equipment to cut through high tensile strands.

**2014**  
**Vales Point Power Station**  
**\$300,000**

**Client: DURATEC**

Hi Tech was awarded a contract to carry out the removal of concrete cancer underneath a bridge at the Vales Point Power Station. The total project was 79m2 which was carried out by two of our experienced operators using one of our truck mounted Ultra High Pressure Pumps

**2013**  
**Airport Link**  
**\$400,000**

**Client: THIESS JOHN HOLLAND**

Ultra High Pressure Water Jetting of diaphragm walls at Airport Link site located in Brisbane. Couplers were exposed within the diaphragm walls to allow connection to reinforcement bars. Using hand lances, works were carried out via an EWP

**2011**  
**Moranbah Mine**  
**\$800,000**

**Client: GOLDINGS**

An incorrect batch of concrete had been poured for a section of a blade wall measuring 9.3 metres high, 9.3 metres wide and 1 metre thick. Using two robotic aqua cutters, Hi Tech completed the job in FOUR weeks rather than SIX months.

**2010**  
**Clem 7**  
**\$400,000**

**Client: LEIGHTONS BAULDERSTONE JV**

Ultra High Pressure Water Jetting of diaphragm walls to ensure that couplers are exposed to allow exposure of reinforcement bars. Work was carried out via an EWP.

**2014**  
**LEGACY WAY**  
**\$500,000**

**Client: TRANSCITY JV**

Hitech Industrial Services were engaged to work on a few projects within the Legacy Way tunnel including 17,000m2 Hydro Scabbling. This involved two Ultra High Pressure units working out of elevated work platforms and scissor lifts.

**2013**  
**Sydney Fish Markets**  
**\$100,000**

**Client: DANLAID - BUILDCORP**

Using robotic units ultra high pressure water Jetting to remove heavily embedded epoxy and poly urethane from the auction room floor.

**2012**  
**Northern Link Tunnel**  
**\$175,000**

**Client: Transcity JB**

As part of the Legacy Way Transcity Joint Venture, Hi Tech was engaged to carry out hydro demolition of a concrete ramp. The project included Robotic Hydro Demolition of 42 m3. We utilised an Aqua Spine and our Aquacutter 710v. Hi Tech achieved 43m3 of concrete removal in 18 night shifts of work. As a final process we then mobilised our hand gun pump to site to carry out removal of any shadows.

**2010**  
**Cockatoo Island**  
**\$200,000**

**Client: BUILDCORP**

Hi Tech Industrial Services was contracted to remove areas of concrete that had been identified as suffering from concrete cancer at Cockatoo Island. Ultra High Pressure (UHP) Hydro demolition was chosen as the most effective method of removing the impacted concrete without affecting the structural integrity of the sound concrete, unaffected by concrete cancer. The use of traditional concrete removal methods, such as jack hammers, could



2010

**Gateway Bridge Upgrade**

**\$175,000**

**Client: LEIGHTONS ABI GROUP**

Ultra High Pressure Water Jetting of concrete materials from within edge barriers of Gateway Bridge, using hand lancing and robotic hydro demolition unit

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