



City Road Bridge - University of Sydney

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## KEEPING YOU IN THE LOOP...



In contrast to the industry's current pessimism, Abergeldie has been overwhelmed with positive news. Abergeldie scooped three of the five categories at the 2009 NSW Civil Contractors Hitachi Earth Awards. We wish to thank our clients for their support; without strong working relationships with our clients such success wouldn't be possible.

In other news, we've opened new offices in Newcastle and Canberra. The official Newcastle opening was held early in June and Canberra's official opening is not far away. Abergeldie will be opening an office in Mackay before the end of 2009. Until next time, check out our website and keep yourself in the loop.

Mick Boyle  
Managing Director, Abergeldie Complex Infrastructure™



# Current Civil Projects

complex infrastructure project update.



## V8 Supercar Track, Homebush NSW

INTEGRATED EVENT DELIVERY MANAGEMENT

Construction of the V8 Supercar street racing circuit at Olympic Park, Homebush. Design and construction includes: concrete barriers, asphalt, debris fences, pedestrian bridges and other works to ensure the circuit meets the safety requirements of the Confederation of Australia Motor Sports.

Value \$10 500 000

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## Dora Creek WWTW Stage 2 Upgrade

HUNTER WATER CORPORATION

Construction of new inlet works, septage receiving systems, new soil bed filter, new switch room, two new clarifiers, new pump stations, modification of two bioreactors, all associated mechanical and electrical works, pipework and pumps, new access roads, landscaping, testing, commissioning and demolition of the existing inlet.

Value \$20 000 000

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## Winmalee STP Modifications

SYDNEY WATER CORPORATION

Inlet work modifications, SBR and digester upgrades, equalisation basin works, wash down ring main, disinfection system and relocation of the first flush tank.

Value \$9 500 000

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## Stanhope Parkway Bridge

WESTERN EARTHMOVING

Construction of an architecturally interesting precast concrete bridge with cable stayed pedestrian walkway

Value \$ 4 000 000

## ABERGELDIE SCOOPS THREE CATEGORIES AT NSW CCF EARTH AWARDS

Abergeldie was awarded three categories at the 2009 NSW Hitachi Civil Contractors Federation Earth Awards. The Awards were held on June 26th and Abergeldie were excited to accept the state awards for categories 1, 2 and 4.

**The RTA Hazelbrook Skywalk Bridge - Category 1 (Up to \$1M).** The bridge was commissioned as a component of the Great Western Highway widening. The Skywalk was incorporated into the project after an artefact of indigenous significance was identified in the environmental assessment. The Skywalk is a 50m long, 3m wide curved walkway of steel and timber with the columns painted in earthy tones to blend with the environment. The artefact is a rock outcrop with man made water storage wells and axe grinding grooves. Abergeldie built the structure with tight tolerances in difficult terrain next to the Great Western Highway and all work was carried out without any environmental or safety incidents .

**The Erskineville Rail Overbridge - Category 2 (\$1M - \$5M).** The project involved the replacement of a two-span road bridge with a single-span bridge over Erskineville Road and spanning the primary rail corridor of six rail lines between Central and Strathfield. The Erskineville rail bridge was an extremely challenging project for many reasons. While the project was quite complex, it was compounded by the potential impacts of not meeting the strict time constrains. Working to tight deadlines within a rail corridor is considered high risk at the best of times, but when it involves replacing a bridge spanning six of Sydney's busiest rail lines, some of which were live at the time of construction, the risk was compounded. Abergeldie initiated several innovative ideas which reduced the number of rail shutdowns from ten to seven and improved the safety of the project.

**BHP Dendrobium Mine Shafts 2 and 3 - Category 4 (\$20M - \$75M).** Abergeldie designed and constructed two additional ventilation shafts at BHP Billiton's Dendrobium coal mine, in the environmentally sensitive Illawarra escarpment west of Wollongong. The shafts needed to be designed for a 50-year life span and were required to be fully hydrostatic. The shafts were constructed using blind bore drilling, an innovative construction method and an alternative to the traditional methods of sinking shafts such as raise boring and conventional drill and blast. Safety is greatly enhanced as there is no need to enter the shaft at any stage during construction. Another advantage is that the excavated material is deposited on the surface rather than having to be removed through the operating mine.



*Above: Abergeldie NSW Team and the award winning projects*

*Left: Erskineville Railway Overbridge - Railcorp Centre: Dendrobium Mine Shafts 2 & 3 - BHP Billiton  
Right: The Hazelbrook Skywalk Bridge - NSW Road and Traffic Authority*

# RAISING OF THE BLIND BORE DRILL RIG A100

The worlds largest blind bore drill rig is complete.

The 500 tonne rig is capable of drilling shafts up to 6.5m in diameter and 650 deep in all ground conditions. The new rig is safer, more reliable and can drill larger diameters deeper than any other rig in the world.

A100 is the fifth rig Abergeldie Mining has fabricated in the past nine years. The rig took six months to complete due to parts being imported from around the globe.

On the 31st July Rig A100 underwent a trial raising at our Regents Park facility. The raising was a gala event with a blind boring information session and lunch. We hope that everone who attended gained an insight into the benefits blind boring provides over conventional shaft raising.

If you want detailed information on how A100 can be an asset to your mining infrastructure program please give us a call.



## NEWCASTLE OFFICE OPENING

Abergeldie's new premises in Newcastle was officially opened on Thursday 4 June. A small celebration was held to mark this exciting expansion into the Hunter region.

Abergeldie took the opportunity to showcase a range of significant projects undertaken in the Hunter Region including the Belmont Waste Water Treatment Plant, Chichester Dam and Grahamstown Dam.

Guests were encouraged to take a walk upstairs where they could view a short film detailing our capabilities for blind bore shaft drilling and then have their questions answered. Our Design Manager Jason Liddell was also enlightening guests with our 3D modelling and process design capabilities.

The afternoon was a great success, thank you to all that attended. We look forward to having a lasting business relationship with the Hunter Region.



### Sydney

5 George Young St, Regents Park NSW  
2143  
PO Box 10, Regents Park NSW 2143  
p: 07 8717 7777 f: 07 8717 7778

### Queensland

97 Old Toombul Rd, Northgate QLD  
4013  
PO Box 135, Banyo QLD 4014  
p: 07 3621 0000 f: 07 3630 4100

### Newcastle

1/16 Huntingdale Dr, Thornton NSW  
2322  
PO Box 326, Thornton NSW 2322  
p: 02 4966 3899 f: 02 49663859

### Canberra

1/92 Hoskins St, Mitchell ACT  
2911  
PO Box 56, Mitchell ACT 2911  
p: 02 6241 1755 f: 02 6241 0712