

## DecoTEC shows NSW Rail the door!



### ABRASION SYSTEMS

REF No. D/A-7

**Client:** NSW Rail Corporation  
**Location:** Sydney City, NSW  
**Project:** Harbour Bridge Tunnel Access

Creating a new opening for an emergency exit door is nothing new but to do it through a 1.2m thick concrete wall, avoiding services and within a public place, certainly creates complications.

To make matters worse, the project had to be completed within a strict 40 hour window to avoid disrupting peak hour rail services to and from Sydney's north shore.

The site was located in Observatory Park in central Sydney, which had to be fenced off using hoarding on the inside of the tunnel and a gate on the outside secure the rail line.

Additionally, all personnel had to be Rail Corp Track Awareness inducted, and stringent Occupational Health and Safety precautions observed.

DecoTEC used RXV techniques to verify the location of vital communication conduits. After the check was completed the four 150mm diameter corner holes were drilled on the 28 degree angle and two 50mm diameter intermediate holes were horizontally drilled.

Using our Platner 30kw wire saw the two sides were cut, followed by the sloping bottom cut, the horizontal middle cut and the sloping top cut.

The whole operation was completed by 3pm on the Sunday, and a 20 tonne Franna crane was used to remove the two pieces of concrete that weighed 5 tonnes each.

Clean-up took a couple of hours and we had left site by 8pm.

Careful planning and extensive experience in similar works proved to be a core element of the success of this project.

**To make matters worse, the project had to be completed within a strict 40 hour window to avoid disrupting peak hour rail services**

Please contact our Sydney head office to meet with an DecoTEC representative in your state to discuss your project:

E [info@decotec.com.au](mailto:info@decotec.com.au)  
T +61 2 8206 9391  
F +61 2 9475 4777



ISO 4801:2001  
ISO 9001:2000  
ISO 14001:2004

DEMOLITION

DECONSTRUCTION

CONCRETE REPAIRS

[www.decotec.com.au](http://www.decotec.com.au)