



Innovative methodology gets the job done in a third of the time



ABRASION SYSTEMS

REF No. D/A-6

Client: Ford Civil Contracting
Location: Sydney International Airport
Project: Pile footings for baggage handling facility

In the construction of the Sydney International Airport's new Mixed Use Retail and Baggage Handling Facility 50 square pads needed to be cut through concrete up to 500mm thick to create piles that would form the footings and bearing pads for the on-site crane.

All pads had to be cut completely through the concrete whilst ensuring there were no over cuts in the corners. Structural engineers were concerned that any over cuts in the mass concrete slab would generate uncontrolled cracking throughout the slab. This would have required the later complete removal and reinstatement of the concrete slab.

Ford received quotes for stitch core drilling each corner, but DecoTEC developed a new methodology which proved three times quicker and more cost effective than stitch drilling.

This methodology insured each slab was lifted cleanly and could be loaded straight into trucks for removal from site.

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

DecoTEC developed a new methodology which proved three times quicker and more cost effective than stitch drilling.

All new methodologies were proved prior to starting and SWM&E statements were written with the assistance of Ford's and DecoTEC's operators and staff.

Once cutting methods were proven, an innovative lifting methodology was developed by DecoTEC's technical supervisors Ross Cole and John Murphy. Despite delays in setting out the works after the Christmas break and inclement weather, all the pads were cut and removed in time for the piling contractor to start his works.

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