



DecoTEC's track record secures Auckland rail job

ABRASION SYSTEMS

REF No. D/A-9

Client: New Zealand Railways Corporation
Location: Auckland. NZ
Project: DART

Project Dart (Developing Auckland's Rail Transport) is a series of improvements to Auckland's rail track network. The work includes the redevelopment of Newmarket Station and junction; duplication of the western line and track and station improvements; and signaling to allow for increased capacity. DecoTEC NZ was chosen for the job.

For the new track, crossovers and points at Newmarket, design plans required the rail line to be fixed to a concrete track slab by the use of Delkor Rail Base Plates ("Eggs").

The concrete track slab was poured and allowed to harden, then the track was placed in position with the eggs attached. The position of the eggs was marked and the track removed. 50mm. diameter holes were drilled in the exact location (+or-1mm) for the hold down bolts to be epoxy glued into position.

In total 6015 holes were drilled, and not one hole was drilled out of position, a tribute to the professionalism of DecoTEC's technicians.

Over 6000 holes were drilled, and not one hole was out of position, a tribute to the professionalism of DecoTEC's operators.

The best day's production was in excess of 1,000 holes, although the job was done over ten days.

DecoTEC has completed similar projects in the past: on the new Epping-Chatswood line in Sydney, Australia, where 96,000 holes had to be drilled; to achieve that DecoTEC designed and built a fully automated multi head drill rig capable of drilling 16 holes at a time. Operated by two men, the rig could drill up to 144 holes phr, and its normal production was 1,000 holes per shift.

We are currently engaged in major modifications to Hinze Dam, including bridge removals (removing 2,000m³ of concrete and drilling 25m drainage holes) and the

K2RQ Project in Sydney (building removal within a live rail corridor).

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

E info@decotec.com.au
T +61 2 8206 9391
F +61 2 9475 4777



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ISO 9001:2000
ISO 14001:2004

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