
PROJECT EXPERIENCE

Cortex



RESOURCES



MINING & QUARRY PROJECT EXPERIENCE

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SECTION 1 - CORTEX MINING EXPERIENCE - Background:

CORTEX has experience in the bulk materials handling of iron ore, mineral sands, coal and mineral concentrates at both mine sites and terminal transfer facilities such as rail and truck wagon loading and unloading as well as stockpiling, reclaiming and out-loading export facilities.

Mine operations are usually facilitated by a selected contractor with whom we joint-venture to bring the whole of mining expertise to any operation. For example, Cortex Resources and Downer EDI have joint ventured in the Iluka Murray Basin Mineral Sands project, the joint venture with Kumagai Gumi in Thailand delivering stabilised bulk fly ash back-fill and have also joint ventured with Downer EDI handling bulk coal in New Zealand as examples and as shown in the following photographs:

Open Cut Brown Coal Mine to EGAT Power Station at Mae Moh, Thailand



MAE MOH THAILAND - RAIL MOUNTED TRIPPER SLEWING DISCHARGE BOOM

CORTEX RESOURCES PTY LTD designed and constructed a 1400t/h handling system at Mae Moh Power Station in northern Thailand under venture agreement with Kumagai Gumi. The mobile tripper car is rail mounted on 1.5km long relocatable conveyor.

The system includes

- ◆ mobile tripper,
- ◆ mobile slewing discharge boom



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UNDERGROUND MINING OPERATION – BHP CANNINGTON QLD., AUSTRALIA

CORTEX RESOURCES PTY LTD designed and constructed in co-operation with mine operator BHP, the underground silver mine back-fill paste plant at the Cannington mine.



CORTEX RESOURCES Pty Ltd 1500 TONNE COAL RAIL LOADOUT BINS – NEW ZEALAND



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TANJUNG ENIM COAL – SOUTH SUMATRA, INDONESIA:

CORTEX ENGINEERING RESOURCES Pty Ltd Director, Joe Scerri, contract and project managed the design and construction of 7 Km of overland belt conveyors and infrastructure.



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TANJUNG ENIM COAL – SOUTH SUMATRA, INDONESIA:

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SECTION 2 - CORTEX QUARRY EXPERIENCE:

BORAL Deer Park – Construct and install new quarry product stockpile conveyor and concrete retaining wall & footings:



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BORAL Deer Park – Structural Design review of screen house that is supported by aging structurally inadequate product bins. Recommend solution and implement a supplementary stiffening procedure to all bins and render the original bins as structurally adequate.



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BORAL Deer Park – Screen-house product bins structural integrity upgrade



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PENRITH LAKES – BORAL & Readymix JV Fine sand classification plant Design & Construct:



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PENRITH LAKES – BORAL – Readymix JV Fine sand plant stockpile Radial Stacker Conveyor



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TRITTON Resources Ltd – Nyngan copper mine – Cement stabilised paste back-fill plant



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QUARRY PROJECTS EXPERIENCE:

Further listings:-

- Readymix Oaklands Junction - Reclaim quarry product feeders (tunnel)
- Boral Montrose – Wet-mix plant cement silo & VS feeder
- Boral Dandenong – Wet-mix plant cement silo & VS Feeder
- Boral Wollert – Primary vibrating feeder frame upgrade
- Boral Wollet – Refurbish Wet Mix Storage Bin and Structure
- Boral Deer Park – Replacement of complete 60M long belt conveyor from screen-house oversize to recycle tertiary gyratory cone crusher
- Boral Deer Park – Replacement of all screen-house outlet chutes
- Boral Deer Park – Replacement of secondary crusher stockpile conveyor
- Boral Bacchus Marsh – Supply and install new vibrating sand dewatering screen and support structure
- Readymix Lyndhurst – Supply and install new vibrating sand dewatering screen, support structure and stockpile stacker conveyor