

COVE ENGINEERING PTY LTD

CORPORATE PROFILE



SERVICING THE NATIONAL BULK MATERIALS HANDLING INDUSTRY





Commercial in Confidence



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1 Cove Mission and Value Commitment

Provide clients with professional engineering solutions derived from a knowledge base encompassing industry best practice techniques, ensuring that the client receives an installation and provision of services that meets their expectations and performs to their satisfaction.

2 Our Company

Cove Engineering (Cove) and our employees are familiar with Occupational Health, Safety, and Environment parameters including duty of care and relevant legislative and industry guidelines.

Cove possesses a blend of skills and experience gained in the management and implementation of bulk materials handling based projects, with specialisation in the design and optimisation of transfer chutes and conveyor systems.

We develop tailored services for our customers that address their primary aim of transporting bulk materials at the least possible cost, while at the same time meeting the objectives of reliability, safety and responsible environmental management.

Our staff works closely with both the customer and progressive suppliers to deliver unique, practical and innovative solutions that often exceed expectations.

We understand that a conveyor is not a unique process in itself but a complex system that integrates with other complex processes with their own safety and environmental requirements.

Unlike other similar organisations that are driven by product or manufacturing supply we deliver on outcomes. We endeavour to align ourselves with customer expectations at all times.

The Cove design, manufacture, and project management processes incorporate documented procedural systems encompassing comprehensive risk management techniques, ensuring risk minimisation philosophies and operability issues are considered throughout all project phases.

In addition to our quality manufacturing process and precision specified tolerances Cove's engineering design and inspection/audit services are always AS1755 – 2000 compliant.

Award winning products such as the Cove Engineering Smartframe™ are proof of the effectiveness of our business strategies. This product compliments the RCB Conveyor Structure, and our Easy Flow™ Soft Load Transfer Chutes in the innovative design arena.

3 Our Team

Cove carries out operational activities from three locations;

An Engineering Design division at Campbelltown NSW (Australia & overseas)

A Field Services division also at Campbelltown NSW (Illawarra and NSW coal fields)

o An Engineering & Field Services division at Mackay, QLD (Coal, Ports & Sugar)

An Engineering & Field Services division at Perth, WA (Iron Ore, Precious Metals & Ports)

Chief Executive Officer - Michael Lay
General Manager Engineering - Peter Jones
Illawarra Branch Manager (NSW) - Duane Vorster
General Manager QLD - Robert Cary
QLD Sales Manager - Craig Hodgson
General Manager WA - Matt Callanan

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Portfolio - Products, Services, and Engineering Design

- Conveyor Systems;
 - o Terminal Conveyor Design.
 - RCB Reduced Component Belt structure.
 - o Smartframe™ OH&S friendly idler change-out frame.
 - Long Life Oil Filled conveyor pulley designs.
- Transfer Chutes;
 - Easy Flow™ engineered 'hood & spoon' transfer system.
 - Dewatering transfer/tripper arrangements.
 - Clean Air Transfer dust minimisation transfer designs.
- o Services;
 - o Project management of conveyor system installation.
 - o Conveyor Condition Monitoring & Inspection Services.
 - Australian Standards Compliance Audits.
 - Splicing Supervision and quality control services.

Our Portfolio is discussed in greater detail in the subsequent sections. A table detailing projects to date is included at the end of this document.

4 Conveyor Systems

4.1 Terminal Conveyor Design

- Conveyor design checks for system reviews or upgrades.
- o Drive heads and structure.
- o Gravity tower and loop take-up arrangements.
- Winch design and supply.
- Tail and boot end structure.
- o Guarding design and manufacture.

4.2 RCB - Reduced Component Belt structure

- Simplicity in design 30% less components per installed metre.
- Increased idler pitch equates to less rolling stock to maintain.
- o Increased belt life from optimised idler contact.
- Reduced ongoing operating costs over belt life cycle.
- Lighter stringer construction load supported by idler frame.
- o RCB is AS1755 2000 compliant.

4.3 Smartframe™ - OH&S friendly idler replacement

- OH&S friendly reduced manual handling.
- OH&S friendly eliminate awkward postures.
- Time saving quick idler replacement.



ENGINEERING

- Practical suits new or existing conveyors.
- No belt lifting or jacking equipment necessary.
- Personnel can work safely from a designated walkway.
- o Smartframe™ is AS1755 2000 compliant.

4.4 Long Life Conveyor Pulley

- Oil filled chamber for long life and minimal maintenance.
- Extends bearing life by up to four (4) times.
- Special mechanical sealing configuration to eliminate ingress of contaminants.
- Retrofit design suits most dead shaft pulleys.
- Excellent for locations where access for inspection and service is difficult.

5 Transfer Chutes

5.1 Easy Flow™ Soft Load Transfer

- o 3D computer modelling process translates into accurate results in service.
- Central loading onto receiving conveyor.
- Material flows in compact cross-section minimising impact and turbulence.
- Elimination of spillage and requirements for skirts.
- o Increased belt life from matching of velocity profile.
- o Elimination of tracking problems at loading point.
- Precision manufacturing tolerances and specifications.

5.2 Dewatering transfer

- Identical benefits and features as the Easy Flow™ transfer.
- Computer modelling of the fluid trajectory allows high efficiency design.
- Provision for fine tuning to suit changing conditions.
- Screen arrangements and configurations designed to suit the application.
- Water tundish diversion option caters for waste water pump maintenance.

5.3 Passive Clean Air Transfer

- o Identical benefits and features as the Easy Flow™ transfer.
- Reduced emissions into environment.
- Eliminates need for costly extraction and bag house systems.
- Airborne particulates managed within the transfer enclosure.
- Reduced risk of dust explosion due to low particulate concentrations.



6 Services

6.1 Conveyor Condition Monitoring & Inspections

- System inspection identifying problems before they cause unplanned stoppages.
- Focus on conveyor belt and splice condition.
- Reporting documentation thoroughly details each splice, event numbers, and a colour coded priority key assists in programming of corrective actions.
- A belt map and summary section is provided for urgent action items.
- Ancillary equipment such as idlers, pulleys and lagging, scrapers, sprays, skirting, and guarding is also inspected.

6.2 System Compliance Audits

- Comprehensive audit by our trained and experienced personnel.
- Fully referenced against each clause within the relevant Australian Standard.
- Audit service provided for:
 - AS1755 2000 Conveyors Safety requirements
 - AS4024.1 2006 Safety of Machinery
 - AS1657 1992 Fixed platforms, walkways, stairways and ladders Design, construction and installation
 - AS1319 1994 Safety signs for the occupational environment
 - Structural Inspection services.
 - Mechanical Inspection services.
- Client pre-audit meeting facilitates a clear understanding of all facets of the auditing process as well as the respective sites risk evaluation systems, process, and management strategies.
- Reports are colour coded with a simple to understand ready reference legend and photos for all non-compliances.
- o Reports are prioritised from High Risk to Low Risk non-compliances.
- NSCA approved Risk Matrix or Site specific Risk Matrix used for evaluating noncompliances.

6.3 Idler Management and Inspection Services

- o Review and optimisation of Site idler management practices.
- Thermographic idler bearing inspection services.
- Idler shell thickness testing services.
- o Idler management software.
- Review of idler failure data for system improvements.

6.4 Splicing Supervision

- Supervision of splicing contractors on surface and underground conveyors, for solid woven, ply stepped, ply high integrity and steel cord splices.
- Auditing of splicing contractors processes, operating procedures, equipment, and systems to ensure compliance to manufacturers' specifications.



6.5 Splice X-Rays

- Splices x-rayed using state of the art digital imaging equipment.
- o Conducted under control and supervision of our licensed Industrial Radiographer.
- Comprehensive analysis and reporting identifying all discontinuities present in each respective joint.

6.6 Project Management

- o Installation of above and underground conveyor systems.
- o Conveyor pulley replacement.
- o Transfer repair and installation.
- Conveyor survey, alignment, and rectification works.
- o Container crane repair services.

7 Confidentiality

Valued Client must keep secret and confidential and must not disclose to any third party without the prior written consent of Cove any drawings, plans, sketches, specifications, notes or other information provided to it pursuant to this proposal or any contract to supply arising from it and Valued Client must take or cause to be taken reasonable precautions as may be necessary to maintain secrecy and confidentiality and prevent disclosure, including obtaining confidentiality agreements from its employees, agents and Sub-Contractors.

A separate signed copyright and confidentiality agreement may be prepared to for signing by Valued Client to amplify these rights.

The obligations contained in the preceding two paragraphs shall survive completion of any contract for supply arising from this proposal.

8 Cove Engineering - Recent Engineering Projects (2010 - Current)

Date	Client	Job Description
2013	Anglo – Moranbah North (Qld)	Drift Conveyor – Skirting & Braces
2013	Anglo – Moranbah North (Qld)	Fabricate – Fines Tray
2013	BMA - Goonyella Riverside CPP1 (QLD)	RC3M Conveyor Pulley Design Check
2013	BMA – Gregory Crinum (Qld)	DWC Engineering Study
2013	BMA – Peak Downs (Qld)	Guarding Design – Snake Pit
2013	BMA – Peak Downs (Qld)	Guarding & Platform Design – Malco Feeders
2013	BMA – Saraji (Qld)	Design – TAMS, Footpath and Bus Park Awnings
2013	Peabody – North Goonyella CHPP (Qld)	Conveyor Condition Inspections & Thickness Testing
2013	Sucrogen – Proserpine Mill	Design – Boilers 1 & 3
2013	Vale – Carborough Downs (Qld)	Monorail Magnet Re-design
2013	Xstrata – Newlands Mine CHPP (Qld)	AS1657 Compliance Audits
2013	Xstrata – Newlands Underground (Qld)	ECVS2 Hood & Spoon Refurbishment
2013	Xstrata – Newlands Underground (Qld)	ECVS4 Hood Refurbishment
2012	Anglo – Grasstree (Qld)	Ramp Boot End Modifications
2012	Anglo – Grasstree (Qld)	GCV006 Dewatering Transfer



Date	Client	Job Description
2012	Anglo – Grasstree (Qld)	Conveyor Engineering & Design Review
2012	Anglo – Grasstree (Qld)	GCV002 Drift Conveyor Engineering Design Study
2012	Anglo – Grasstree (Qld)	GCV002 Drift Conveyor Splice Failure Analysis
2012	Anglo – Grasstree (Qld)	Monthly Belt Management & Condition Monitoring
2012	Anglo – Grasstree (Qld)	Idler Management & Tracking - Weekly/Monthly
2012	Anglo – Moranbah North (Qld)	UC002 Dewatering Tripper 21CT
2012	Anglo – Moranbah North (Qld)	UC003 Dewatering Tripper 37CT
2012	Anglo – Moranbah North (Qld)	UC002 Dewatering chute Jib 4CT
2012	Anglo – Moranbah North (Qld)	UC003 Jib Transfer
2012	Anglo – Moranbah North (Qld)	001 Drift Dewater Chute Design / Supply
2012	Anglo – Moranbah North (Qld)	Drift Dewater Chute 4 C/T (Inc. project management)
2012	Anglo – Moranbah North (Qld)	Monthly belt management & condition monitoring
2012	Anglo – Moranbah North (Qld)	Study and solution to UC001 spillage issues
2012	Anglo – Moranbah North CHPP (Qld)	CV002 full length Conveyor skirting design and fabrication
2012	BHP – Appin (NSW)	ACCI1 Coal Clearance - SW1 & UG Elevator Conveyor Upgrade
2012	BHP – Appin (NSW)	AS1755:2000 Compliance Audit
2012	BHP – Appin (NSW)	Ballast & Sump Design
2012	BHP – Appin (NSW)	Mainslope Syntron Delivery Chute Spares
2012	BHP – Appin (NSW)	SW1 to UGE Hood Spare
2012	BHP – Dendrobium (NSW)	NW Mains Tripper Return Bend Pulley Relocation
2012	BHP – Dendrobium (NSW)	Chute Redesign Engineering Study
2012	BHP – Dendrobium (NSW)	KVT Sizer Chute Detailed Design
2012	BHP – Dendrobium (NSW)	Maingate 8 Conveyor Inspection
2012	BHP – Dendrobium (NSW)	Maingate Jib – Engineering Study
2012	BHP – Dendrobium (NSW)	South Mains Throttling Plate
2012	BHP – Dendrobium (NSW)	Tracking Analysis Nebo + KVT + WM + NWM
2012	BHP – Gemco (NT)	Conveyor C23 Braking System
2012	BHP – Mt Arthur (NSW)	Design & Supply LCV101 Guarding
2012	BHP – Mt Arthur (NSW)	Design & Supply 4 off & Main Deflector
2012	BHP – Mt Arthur (NSW)	Mainslope Syntron Delivery Chute Spares
2012	BHP – Mt Arthur (NSW)	PCV105 to LCV102 Transfer Design & Supply
2012	BHP – Mt Arthur (NSW)	PCV110 CCAT Skirting Extensions
2012	BHP – Mt Arthur (NSW)	RCH208 - Design & Supply Hood for Three Leg Chute
2012	BHP – Mt Arthur (NSW)	RCH214 - Design & Supply Hood for Two Leg Chute
2012	BHP – Mt Arthur (NSW)	RCH226 - Spoon In Fill Design & Supply
2012	BHP – Mt Arthur (NSW)	RCV205 - Design for jump pulley
2012	BHP – Mt Arthur (NSW) BHP – Mt Arthur (NSW)	RCV207 – Hood Redesign & Supply RX1 – Chute Design & Supply
2012	BHP – Mt Arthur (NSW)	Spoon Spare MFG
2012	BHP – Mt Arthur (NSW)	Wear Plate & Rubber Skirt Spares
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Date	Client	Job Description
2012	BHP – West Cliff (NSW)	Conveyor Splicing Supervision
2012	BHP – West Cliff (NSW)	Cv1-11 West Cliff Transfer - Detailed Design
2012	BHP – West Cliff (NSW)	CV1-29 Gravity Tower Design
2012	BHP – West Cliff (NSW)	Winder Gearbox Inspection & Cover Design/Supply
2012	BMA - Blackwater TCP (QLD)	C3A & C3B Transfer Engineering Study
2012	BMA - Goonyella Riverside CPP1 & 2 (QLD)	Conveyor Procedures
2012	BMA - Goonyella Riverside CPP1 (QLD)	QA Splicing Supervision
2012	BMA - Goonyella Riverside CPP2 (QLD)	QA Splicing Supervision
2012	BMA – Goonyella Riverside (Qld)	RC6 Splice Supervision
2012	BMA – Gregory Crinum (Qld)	Cross Drive Conveyor to MG22 Conveyor Transfer
2012	BMA – Gregory Crinum (Qld)	Material Flow Analysis
2012	BMA – Gregory Crinum (Qld)	Belt Reeler & Maingate Conveyor Study
2012	BMA – Gregory Crinum (Qld)	Conveyor Fundamentals Training package
2012	BMA – Peak Downs (Qld)	3D & 9D Belt Splice Station Design
2012	BMA – Peak Downs (Qld)	8D Guarding upgrade – Design, Supply and Install
2012	BMA – Saraji (Qld)	Dragline 18 Handrail Audit
2012	BMA – Saraji (Qld)	Tams Gateway Cover Design
2012	BMA – Saraji (Qld)	Welding Pod – Design
2012	Centennial Coal – Charbon (NSW)	AS 1755:2000 Compliance Audit
2012	Dalrymple Bay Coal Terminal (Qld)	L15 Conveyor Splice X-ray
2012	Newcrest – Telfor Gold (Qld)	Smartframe™ design & supply
2012	Newmont – Boddington (WA)	Smartframe™ design & supply
2012	Patrick Terminals (National)	ZPMC 2nd Hoist Gearbox Rebuild
2012	Patrick Terminals (NSW)	Hoist Gearbox rebuild
2012	Patrick Terminals (NSW)	ZPMC Hoist CB09 New Shaft
2012	Patrick Terminals (QLD)	ZPMC Hoist Gearbox Output Shaft Rebuild
2012	Peabody – North Goonyella CHPP (Qld)	Conveyor Condition & Thickness Testing inspections
2012	Peabody – North Goonyella (Qld)	DWC Spares
2012	Peabody – North Goonyella (Qld)	DWC Support Structure fabrication and install
2012	Peabody – North Goonyella (Qld)	Monthly Conveyor Condition Monitoring
2012	Port Kembla Coal Terminal –PKCT (NSW)	Inbound Conveyor & Stacker Chute Analysis
2012	Port Kembla Coal Terminal –PKCT (NSW)	NC2 Smartframe™
2012	Port Kembla Coal Terminal –PKCT (NSW)	Project Management Contracting
2012	Port Kembla Coal Terminal –PKCT (NSW)	Rotary Plough Feeder & Blade Retract Modification and Design
2012	Port Waratah Coal Services – PWCS	Ship loader Spout Design Optimization & Cleaning Study
2012	Quinlink (China)	C-H4 to C-6A C-6B Transfer Design & Supply
2012	Rio Tinto – Blair Athol (Qld)	AS1755 Audits
2012	Rio Tinto – Clermont (Qld)	AS1755, AS4024, AS1657 & AS1319 Audits
2012	Rio Tinto – Hail Creek (Qld)	Idler defect tags - Supply
2012	Rio Tinto – Kestrel (Qld)	AS1755 Audits



Date	Client	Job Description
2012	Rio Tinto – Kestrel CHPP (Qld)	AS1755 Audits & Lanyard testing
2012	Rio Tinto – Kestrel (Qld)	Dewatering Chute spares
2012	Rio Tinto – Kestrel (Qld)	Idler Management
2012	Sucrogen – Proserpine Mill	Bagasse System audit
2012	Vale – Carborough Downs (Qld)	Thermography / Idler Management (weekly)
2012	Vale – Carborough Downs CHPP (Qld)	TC01 – TC04 Structural inspections
2012	Vale – Carborough Downs CHPP (Qld)	AS1755 Audits
2012	Veyance – Cement Australia (Qld)	Bucket Elevator X-ray
2012	Xstrata – Newlands Underground (Qld)	Stockpile weightometer drafting & relocation
2012	Xstrata – Newlands Underground (Qld)	AS1755 Presentation
2012	Xstrata – Newlands Underground (Qld)	ECVS 1, 2 & 4 Structural Audits
2012	Xstrata – Newlands Underground (Qld)	AS1755, AS4024, AS1657 & AS1319 Audits
2012	Xstrata – Newlands Underground (Qld)	ECVS33-ECVS34 transfer chute
2012	Xstrata – Oaky No.1 (Qld)	AS1755 Presentation
2012	Xstrata – Tahmoor Colliery	900 Belt Upgrade
2012	Yancoal- Moolarben (NSW)	AS1755:2000 & AS4024.1 Compliance Audit
2011	Anglo – Moranbah North Coal (QLD)	Idler Management Project
2011	Anglo – Moranbah North Coal (QLD)	Skirting design & fabrication
2011	Anglo – Moranbah North Coal (QLD)	Smartframe™ - CV008, CV101, CV201, CV701
2011	Anglo – Moranbah North Coal (QLD)	Tripper DWC design & fabrication
2011	ASMS Bucyrus	Dragline Drive Gear Breakdown
2011	Austar Coal Mine	Chute/Hood upgrade
2011	Bechtel (QLD)	Broadmeadow Mine Dewatering Chutes
2011	BHP- Appin East (NSW)	Mainslope Hood & Spoon Repair
2011	BHP - Appin Mine (NSW)	Main Slope Conveyor Barrier Brackets
2011	BHP – Dendrobium (NSW)	AS1755 Guarding Audit
2011	BHP – Dendrobium (NSW)	Conveyor carryback Testing
2011	BHP – Gemco (NT)	Conveyor C23 Braking System
2011	BHP – Gemco (NT)	Conveyor Maintenance & Conveyor Tracking Analysis
2011	BHP - West Cliff (NSW)	522 Conveyor Splicing Supervision
2011	BHP Mitsui – South Walker Creek (QLD)	CV402 transfer design & fabrication
2011	BHP- Mt Arthur (NSW)	Chute design as per CPG scope document
2011	BHP- West Cliff (NSW)	Audit HBF to AS 1755 incorporating AS 4024
2011	BHP- West Cliff (NSW)	Audit of the horizontal belt filter conveyor to AS1755
2011	BHP- West Cliff (NSW)	Conveyor Coarse transfer
2011	BHP- West Cliff (NSW)	Floatation building safety system audit
2011	BHP- West Cliff (NSW)	Magnet Chute inspection
2011	BHP- West Cliff (NSW)	Magnet Chute Re-design
2011	BHP- West Cliff (NSW)	Rubber skirt 3m x 200m x12 mm main slope conveyor



Date	Client	Job Description
2011	BlueScope Steel - Port Kembla (NSW)	Bridge Reclaimer Transfer Chutes
2011	BlueScope Steel (NSW)	Secondary Stacker Tripper Car transfer Chute Upgrade
2011	BMA - Blackwater Mine (QLD)	C3A & C3B Transfer Study
2011	BMA - Goonyella Riverside CHPP's (QLD)	Conveyor procedures
2011	BMA - Goonyella Riverside CHPP's (QLD)	QA Splicing Supervision
2011	BMA - Gregory Crinum (QLD)	AS1755 Compliance Audits
2011	BMA - Gregory Crinum (QLD)	Belt Reeler & Maingate Conveyor Study and recommendations
2011	BMA - Peak Downs CHPP (QLD)	3D Head End guard design, fabrication & install
2011	BMA - Peak Downs CHPP (QLD)	AS1755 & AS1657 audits
2011	BMA - Peak Downs CHPP (QLD)	AS1755& AS1657 Audit
2011	BMA – Peak Downs CHPP (QLD)	Belt Splice Station – Design, Fabricate & Install
2011	BMA – Peak Downs CHPP (QLD)	Breaker feeder guard design
2011	BMA – Peak Downs CHPP (QLD)	ROM Shaker guard installs
2011	BMA – Saraji Mine CHPP (QLD)	3S, 6S & CV102 Guarding Upgrade – design, fabricate & install
2011	BMA – Saraji Mine CHPP (QLD)	8S & CV101 Guarding Upgrade – design, fabricate & install
2011	Centennial Coal – Newstan (NSW)	Bin feeder and stack out Conveyors Transfer Chute
2011	Centennial Coal- Angus Place (NSW)	Hood refurbishment, spoon liners and part supply
2011	Centennial Coal- Clarence (NSW)	AS 1755:2000 Compliance Audit
2011	Centennial Coal- Springvale (NSW)	AS 1755:2000 Compliance Audit
2011	Liddell Power Station (NSW)	Conveyor 15 upgrade
2011	Liddell Power Station (NSW)	Conveyor brake system re-design
2011	Liddell Power Station (NSW)	Transfer(s) chute upgrade
2011	Lyndarr Construction (QLD)	Engineering Design – Middlemount Racecourse
2011	Minpro (QLD)	Boddington Mine – 2200mm Smart Frame trials
2011	National Starch (NSW)	Replacement fabricated brake drum
2011	Newcrest 'Lihir Gold Mine' (New Ireland Proj.)	Design review of Conveyor transfer
2011	Newmont Mining – Boddington Mine (WA)	Smart frame™ - 2200mm
2011	NGC (QLD)	Skyline Tripper fines
2011	NRG Gladstone Power Station (QLD)	Smart frame™ trials
2011	Omya Australia	Unloading Tension Check
2011	Patrick Brisbane (NSW)	Hoist Gearbox rebuild
2011	Patrick Port Botany (QLD)	Samsung boom hoist drum repair
2011	Peabody – North Goonyella Coal (QLD)	Drift to Skyline Transfer design and fabrication
2011	Queensland Alumina Ltd (QLD)	2 x Transfer Station upgrades
2011	Sucrogen – Plane Creek Mill (QLD)	CV2 – CV3 Transfer study and design
2011	Ulan West (NSW)	Engineering Management System
2011	Vale - Carborough Downs CHPP (QLD)	AS1755 & AS4024 Compliance Audits
2011	Vale - Carborough Downs U/G (QLD)	AS1755, AS1657 & AS1319 Compliance Audits
2011	Veyance Belting (QLD)	Cement Australia (Gladstone) - Belt X-rays



Date	Client	Job Description
2011	Western Conveyor Services (NSW)	CHPP Compliance Audit
2011	Xstrata – Newlands Underground (QLD)	AS1755, AS1657, AS4024 & AS1319 Audits
2011	Xstrata – Newlands Underground (QLD)	AS1755, AS4024, AS1657 & AS1319 - Compliance audits
2011	Xstrata – Newlands Underground (QLD)	Ramp conveyor re-grade
2011	Xstrata – Newlands Underground (QLD)	Structural audits – ECVS 1, 2 & 4
2011	Xstrata – Newlands Underground (QLD)	Transfer spares fabrication
2011	Xstrata - Oaky Creek No. 1 (QLD)	AS1755 & AS1657 Guarding Audit
2011	Xstrata – Tahmoor (NSW)	Tripper design and supply
2011	Xstrata - Ulan (NSW)	AS 1755 Auditing
2010	Anglo – Callide Mine (QLD)	Fabricate 3007 Replacement Chute
2010	Anglo – Grasstree Mine (QLD)	AS1755 Guarding Audit
2010	Anglo – Grasstree Mine (QLD)	Belt Management
2010	Anglo – Grasstree Mine (QLD)	Belt Thickness Testing
2010	Anglo – Grasstree Mine (QLD)	Structural Audit Report & Recommendations
2010	Anglo – Moranbah North Coal (QLD)	AS1755 Audits
2010	Anglo – Moranbah North Coal (QLD)	IMATS
2010	BHP – Dendrobium (NSW)	Manufacturing and installation of conveyor guarding signage
2010	BHP Appin (NSW)	Main Slope hood
2010	BHP Appin (NSW)	Repair of Mainslope hood
2010	BHP Appin (NSW)	Trolley design for handling of Conveyor pulleys
2010	BHP- Mt Arthur (NSW)	Transfer Chute Improvements
2010	BHP West Cliff (NSW)	Temporary chute Rotary breaker
2010	BHP-Dendrobium (NSW)	AS1755 Audits
2010	Blue Scope Steel (NSW)	Smart frame™
2010	BMA - Goonyella CHPP (QLD)	Conveyor Belt Management
2010	BMA – Goonyella Riverside (QLD)	Belt Change Out Procedures
2010	BMA – Norwich Park Mine (QLD)	1NP Transfer Modeling
2010	BMA – Peak Downs (QLD)	Guarding Upgrade – 3D, 4D, 5D, 8D& ROM design & fabricate
2010	BMA – Peak Downs (QLD)	Guarding Upgrade – Design & Supply
2010	BMA – Saraji Mine (QLD)	Drafting and Project Management
2010	BMA – Saraji Mine (QLD)	Draglines - Drafting & Project Management
2010	BMA – Saraji Mine (QLD)	EDD Drill Rigs Audit
2010	BMA – Saraji Mine (QLD)	Guarding & Access Upgrades for Mining Equipment
2010	BMA – Saraji Mine (QLD)	Project Management and Drafting Resources
2010	BMA – Saraji Mine (QLD)	Project Management and Drafting Resources
2010	BMA – Saraji Mine CPP (QLD)	Guarding Upgrade – Concept stage
2010	Caledon – Cook Colliery (QLD)	Drift tail end works
2010	Caledon – Cook Colliery (QLD)	Drift to CV1 Transfer
2010	Caledon Coal – Cook Colliery (QLD)	AS1755 Audits



Date	Client	Job Description
2010	Caledon Coal – Cook Colliery (QLD)	Drift to CV1 Transfer Spoon
2010	Carborough Downs (QLD)	SWI's & STI's
2010	Centennial Coal- Angus Place (NSW)	Conveyor drive area return frames
2010	Centennial Coal- Angus Place (NSW)	Conveyor transfer Upgrade
2010	Centennial Coal- Angus Place (NSW)	Flat return frame
2010	Centennial Coal- Angus Place (NSW)	Intermediate Chute Liners
2010	Centennial Coal- Angus Place (NSW)	Refurbishment of Spoon
2010	Centennial Coal- Newstan (NSW)	Bin feeder and stack-out Conveyors Transfer Chute
2010	Centennial Coal- Newstan (NSW)	Conveyor to conveyor transfer
2010	Convatech (QLD)	Peak Downs 4D-6D & 5D-6D - Transfer Modeling
2010	Gladstone Power Station (QLD)	Conveyor Fundamentals Training
2010	Kotzur Grain (NSW)	Tripper - AS1755 Audit & Design Check
2010	Narrabri Coal Operation (NSW)	Conveyor condition inspection
2010	Oaky Creek CHPP	AS1657, AS1319 & AS4024.1 Audits
2010	One Steel- Rooty Hill (NSW)	Conveyor alignment
2010	Patrick Terminals (NSW)	Hoist gearbox rebuild
2010	Patrick's (NSW)	Crane Hoist Gearbox
2010	Peabody - North Goonyella Coal (QLD)	Arc Chute Replacement
2010	Prodeco (Columbia)	Transfer Chute Engineering Studies
2010	Queensland Nickel Industries (QLD)	Coal System Upgrade
2010	Queensland Nickel Industries (QLD)	Main Feeder Conveyor- Counter Weight design
2010	Rio Tinto – Kestrel Mine	Dewatering Transfer - Modeling & Fabrication
2010	Rio Tinto – Kestrel Mine CHPP (QLD)	AS1755 Guarding Audit
2010	Sucrogen – Pioneer Mill (QLD)	AS1755& AS4024.1 Audits
2010	Sucrogen – Plane Creek Mill (QLD)	AS1755 Audits
2010	Ulan Coal (NSW)	AS1755 Guarding Audit
2010	Vale – Carborough Downs (QLD)	AS1755 Audits
2010	Vale – Carborough Downs (QLD)	Monthly thermography inspections
2010	Vale – Carborough Downs (QLD)	SWI's & STI's
2010	Vale-Carborough Downs (QLD)	AS1755& AS4024.1 Audit
2010	Whitehaven Coal-Narrabri (NSW)	Underground conveyors install documents
2010	Xstrata – Newlands CHPP (QLD)	Belt Condition Inspections/Belt Thickness Testing
2010	Xstrata – Newlands Underground (QLD)	Ramp to Stacker Transfer 3 D Modeling & Fabrication
2010	Xstrata – Newlands Underground (QLD)	Transfer Chute replacement spares
2010	Xstrata-Oaky Creek #1 (QLD)	AS1657 Audits
2010	Xstrata-Oaky Creek CHPP (QLD)	AS1657/AS4024/AS1319 Audits
2010	Xstrata-Oaky Creek CHPP (QLD)	AS1755-2000 CHPP Guarding Upgrade
2010	Yancoal- Moolarben (NSW)	AS 1755:2000 Compliance Audit