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> ACKNOWLEDGEMENTS
This document is a dynamic record of the knowledge and experience of personnel at METS Engineering Group Pty Ltd. As such it has been built upon over the years and is a collaborative effort by all those involved. We are thankful for the material supplied by and referenced from various equipment manufacturers, vendors, industry research and project partners.
Key Attributes

“Provide engineering and technical solutions that are responsive to our clients’ needs”

> Working globally since 1988
> Dynamic and innovative niche consultancy
> Dedicated team providing customised service
> Specialist in Mineral Processing & Engineering Projects
> Unique solution finder
Commodity Experience

> Copper
> Lead / Zinc
> Gold
> Iron Ore (magnetite and haematite)
> Vanadium
> Mineral Sands
> Nickel
> Rare Earths
> Uranium
> Manganese
> Alumina
> Phosphates
> Lithium
> Graphite
Global Project Experience

**Copper**

Aditya Birla – Nifty Operations - Cathode Prediction Project Optimisation
Aditya Birla – Nifty Operations – Site Restart Estimate
Barrick (Australia Pacific) Ltd – Jabal Sayid Project – Testwork
Birla Nifty Pty Ltd – Nifty Operations - Heap Washing Evaluation
Blackthorn Resources-Kitumba Project-Scoping Study
Citadel Resources - Jabal Sayid Project – Pre-Feasibility Study
Genesis Minerals Ltd - Merceditas Project – Metallurgical Testwork
Juti Holdings - Evelyn Project – Metallurgical Testwork
National Iranian Copper Co - Sungun Project - Concentrator Plant Expansion
Sandfire Resources NL – DeGrussa Copper Oxide Project – Heap Leach Study
Snowden Mining Consultants – CopperCo Lady Annie Project- Heap Leach Review
Snowden Mining Consultants - Matrix Metals Project Morpheus – Project Valuation
Snowden Mining Consultants - Phu Bia Project - ITE Review
Xstrata Copper – Ernest Henry – Training
Zambezi Resources - Cheowa Project - Client Representative
Zambezi Resources - Cheowa Project – Metallurgical Testwork
Zambezi Resources - Kangaluwi Project - Metallurgical Consulting & Testwork

**Copper (Copper/Gold)**

Emmerson Resources - Tennant Creek Projects – Scoping Study
Giants Reef Mining - Tennant Creek Project – Due Diligence
Golder Associates – Due Diligence
Independent Engineers - Mirador Project- Due Diligence
Independent Engineers- La Paloma Project – Metallurgical Testwork
Marengo Mining Ltd – Testwork Program Audit
Matrix Metals Ltd – Leichhardt Operations - Mt Cuthbert Assessment
National Iranian Copper Co - Sarcheshmeh Project – Electrical & Automation Engineering
Newmont Mining Corp - Gindalby Minjar Project - Risk Analysis
Snowden Mining Consultants - Chelopecch Project – Due Diligence
Ted Mein & Associates - Marian Deposit – Metallurgical Testwork
Ted Mein & Associates - Queen River Tailings Project – Metallurgical Testwork
Universal Resources Ltd - Roseby Project – Metallurgical Consulting
Universal Resources Ltd - Roseby Project - Metallurgical Development
Universal Resources Ltd – Roseby Project - Copper Heap Leach Due Diligence

**Copper (Copper/Lead/Zinc)**

Anglo Australian Resources NL – Sandiago
Bass Metals – Panorama Project – Due Diligence

**Copper (Copper/Cobalt/Zinc/Gold)**

Vulcan Resources – Kylylahti Copper / Cobalt Project - Due Diligence

**Zinc (Zinc/Copper)**

Bass Metals - Hellyer Flotation Plant – Que River Ore Trial
Independent Engineers - Dairi Project - Due Diligence
Independent Engineers - Kazak Project – Due Diligence
Newmont Australia - Erura Zinc Project
Snowden Mining Consultants – Confidential Bank - Rapu Rapu Project - Due Diligence
Snowden Mining Consultants - Lady Loretta Project - CAPEX & OPEX
Zinc Corporation - Broken Hill - Plant Metallurgist

**PROCESSING**
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**PRODUCT INNOVATION**
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**ENGINEERING STUDIES**
**OPERATIONS**
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Global Project Experience

Lead/Zinc
Aztec Resources - Golden Grove Project - Commissioning
Bass Metals – Hellyer Project - Plant Valuation Bass Metals - Beltana Project - Due Diligence
Bass Metals – Hellyer Project - Treatment Study
Britannia Lead Refinery - Plant Metallurgist
Magellan Metals Pty Ltd - Reagents Facility - Bagging Options Study
Magellan Metals Pty Ltd - Reagents Facility - Engineering Design & Purchase
Reagent System
Pasminco - Lead/Zinc Smelter Plant Metallurgist
Snowden Group – Hellyer Mill – Due Diligence
TNG Ltd – Manbarrum Project – Scoping Study
Trafrod Resources Ltd – Telephone Dam – Sighter Testwork
Western Metals – Parys Mountain Base Metals Project – Metallurgical Consulting

Gold/Lead/Zinc
Independent Engineers - East Santa Cruz Project - Core Scoping Study

Gold
ABM Resources NL – Buccaneer Gold Project - Testwork
Acl Tasman Pty Ltd - Kimberley Study - Tanami Regional Minerals Study
Agincourt Resources Ltd - Andorinhas Project – Due Diligence
Agincourt Resources Ltd - Andorinhas Project – Due Diligence
Agnew Gold - Electrowinning Consulting Advice
Allied Gold Ltd – Simberi Project - Cyanide Mitigation Desktop Study
Amlib United Minerals - Kokaya Gold Project – Pre-Feasibility Study Review
Anglo Australian Resources NL –Mandilla Project – Toll Milling
Apex Minerals NL – Wiluna Gold Mine – Consultancy
Apex Minerals NL – Wiluna Project – Audit
Aphrodite Gold – Aphrodite Gold Project – Scoping Study, Feasibility Study Scope of Work & Testwork Management
Aphrodite Gold – Chameleon Project – Sighter Testwork
Archipelago Resources - Minahasa Project - Power Station Acquisition and Relocation Project
Archipelago Resources - Mt Muro Project – Financial Modelling, Scoping Studies & Plant Evaluation
Archipelago Resources - Mt Todd Project - Equipment Evaluation
Archipelago Resources – Toka Tindung Project – El Tambo Plant Relocation, Metallurgical Consulting, Feasibility Study & Plant Valuation & Tender for URGM Plant Relocation

Gold
Ashburton Minerals LTD – Maluku Gold Project – Processing Review
Barrick (Australia Pacific) Ltd – Plutonic Gold Mine – Simulation
Barrick Gold Corporation - Lawlers Project - Plant Throughput Study
Bass Metals - Henty Project - Due Diligence
Bass Metals - Mt Charter Project – Polymetallic Deposit Preliminary Testwork
Beacon Minerals Ltd – Barlee Gold Project – Testwork
Central China Goldfields - Rakyon Project – Due Diligence
Commonwealth Bank of Australia – Mercator Project - Due Diligence
Crew Gold Corporation- Lefa Corridor Project - Plant Commissioning
Croesus Mining - Norseman Operation – Metallurgical Review
Croesus Mining - Ravenswood Project - Due Diligence
Croesus Mining – Sons Of Gwalia Southern Cross Project
Croesus Mining Ltd - Central Norseman Project – Due Diligence
CSA Australia – Indonesian Gold Mine - Due Diligence
CSA Global – RMC Gold Scoping Study
Eclipse Resources - Dizon Tailings Project – Study Review
Elektra Diamonds NL - Coyote Project – Metallurgical Evaluation
GBM Minerals Engineering Consultants - Centamin Sakural Project – Testwork Review
GBS Gold - Geocoot Project - Plant Design
GBS Gold - Pine Creek Project – Metallurgical Consulting
GBS Gold - Terra Gold Mining – Pre-Feasibility Study
GBS Gold - Toms Gully Project – Metallurgical Review
GHG Mining - Mt Tynm & Ringwood – Metallurgical Review
Giants Reef Mining - Chariot Project
Glencoe Gold - Pilbara Gold Project
Gold Road Resources Ltd – Yamarna Gold Project – Scoping Study
Golder Associates – Golder Gold Project – Due Diligence
Golder Associates – Hassai Gold Project – Due Diligence
Golder Associates – Macedonian Gold Project – Scoping Study
Goudhurst Pty Ltd – Project Met Syama Gold Mine – Pre-Feasibility Study
Goudhurst Pty Ltd – Project Met Syama Gold Mine – Specialist Services
Greater Pacific Gold Ltd – Union Reefs Gold Mine - Plant Valuation
Grovenor Gold – Fortnum Gold Plant – Capacity Simulation and Testwork
Global Project Experience

Gold
Guinor Gold Corporation – Lefa Corridor Project - Operating & Commissioning Manuals
Harbour Lights Mining – Haib Project - Bacterial Leach Pilot
Higginsville Mining Ltd - Greenfields Mill – Gold Losses
Homestake Gold of Australia - Mineral Processing Course
Independent Engineers - Emerson Project - Due Diligence
Independent Engineers - Maud Creek Project – Metallurgical Testwork
Independent Engineers - Raub Tailings Project – Metallurgical Consulting
Independent Engineers - Simberi Allied Gold Project - Operating Manuals & Metallurgical Consulting
Independent Engineers - Tanjianshan Project – Due Diligence
Investec Bank (Australia) Ltd - Crescent Gold - Girth Gear Expert Advice
Investec-Mercator Project - Due Diligence
Kalgoorlie Consolidated Gold Mines - Fimiston Project - Phase 2 Commissioning
Kenor Norway - Fayalala Project – Beneficiation Metallurgical Testwork
Kenor Norway - Keli Project - Plant Audit
Kenor Norway - Kori Kollo Project - Plant Assessment
Kenor Norway - Lefa Corridor Project – Beneficiation & HPGR Testwork
Kenor Norway - Lero Gold Project – Client Representative for Metallurgical Matters
La Mancha Resources - Frogs Leg Project - Underground Metallurgical Testwork
Lloyd George Mining – Metallurgical Accounting Review
Macquarie Bank – Las Lagunas Project - Due Diligence
Macquarie Bank – Mungari Gold Project – Due Diligence
Manhattan Gold - Metallurgical Consulting
Materials Insight - Granny Smith Mine - Mill Replacement
Medusa Mining Ltd - Co-O Project – Technical Review
Medusa Mining Ltd - Philsaga Project – Due Diligence
Medusa Mining Ltd - Saugon Project – Plant Valuation
Mercator Gold - BlueBird Project - Due Diligence
Midas Resources – Sons Of Gwalia Red October Project – Due Diligence
Minerals & Resources Australia - Kundana Plant - Purchase & Relocation
Minerals & Resources Australia Pty Ltd - White Foil Project - Ore Treatment
Minerals and Resources Australia - Mungari Project - Pre-Feasibility Study
Mining Project Investors - Metallurgical Accounting
Monarch Gold - Davyhurst Project - Plant Audit & Special Mineral Processing Course

Gold
Mount Magnet South NL – Kirlalocka Project – Feasibility Study
Mungari East Joint Venture - Frogs Leg Project – Pre-Feasibility Study
N M Rothschild and Sons Ltd - Crescent Gold Laverton Project – Due Diligence
Navigator Resources Ltd – Leonora Project – Pre-Feasibility Study
Newcrest Mining Ltd – Telfer Gold Mine – Specialist Services
Newmont Mining Corp –undyee Plant – Training
Newmont Mining Corporation - Waihi Project - Scoping Study
Nex Metals Explorations Ltd - Kookynie Gold Project – Orient Well Dump Leach
Norton Gold Fields – Paddington Gold Mine – Specialist Services/Labour Hire, Optimisation & Plant Audit
Octagonal Resources – Maldon Mill – Audit
Outotec – Turkish Gold Project – Testwork and Scoping Study
Pacrim Energy – Redcliffe Project – Metallurgical Testwork
Paddington Gold Mine – Optimisation
Quarite – Georgia Project – Heap Leach Technical Audit & Annual Metallurgical Accounts Audit
Quaritze – Heap Leaching Operations Project – In Process Determination/Audit
Quaritze Ltd-Madneulli Tailings Project-Scoping Study
Ramellius Resources Ltd – MT Magnet – Consultancy & Specialist Services/Labour Hire
Reed Resources – Comet Vale Project – Toll Milling Supervision
Regis Resources - Moolart Well - Testwork & Engineering Data
RM Capital – Cyanide Leach Tests
RMB Resources - Caroue Dam Project - Plant Valuation
RMG Copper Ltd – Quartzite – Audit
Saracen Mineral Holdings – Caroue Dam – Operational Audit
Saudi Arabian Gold Project – Feasability Study
Sino Mining - Jianchaling Project- Site Visit
Snowden - Baomahun Gold Project – Metallurgical Consulting
Snowden - Mirah Project – Technical Review
Snowden – Rawas Project - Heap Leach, CIP & Merrill Crowe
Snowden Mining Consultants - Baomahun Project - Pre-Feasibility Study
Snowden Mining Consultants - Golden Pride Syama Ravenswood - Desktop Study

TESTWORK MANAGEMENT
ENGINEERING STUDIES
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Global Project Experience

Gold
Snowden Mining Consultants - Jardim do Ouro Project - Serabi Mining
Snowden Mining Consultants – Meekatharra Project – Competent Persons Report
Snowden Mining Consultants - Mirah Project – Review
Snowden Mining Consultants - Project Daughter - Due Diligence
Snowden Mining Consultants - View Gold - Metallurgical Opinion
Snowden Mining Consultants - Way Linggo Project - Due Diligence
Snowden Mining Consultants - Westonia Project
Sons of Gwalia - Carosue Dam Operations – Metallurgical Accounting Audit
Sons of Gwalia - Receiver Manager Duties
Southern Cross Goldfields – Marda Gold Project – Simulation
Southern Cross Goldfields – Dulcie Heap Leach Project - Testwork
SRK Consulting – Masbate Gold Project – Due Diligence
SRK Consulting - Project Blackbird – Metallurgical Consulting
St Barbara Mines - Gwalia Process Plant - P&ID Checks, Risk Assessment & Operating Manuals
St Barbara Mines -Marvel Loch Project - Plant Audit
St Barbara Mines NL - Tasiast Project – Metallurgical Consulting
Sumatra Copper Gold - Rawas Project - Higher Throughput Scoping Study & Pre-Feasibility Study
Titan Resources NL – Kinross Gold Norseman Project - Acquisition Due Diligence
Trafford Resources Ltd -Weesnanna Gold Project-Scoping Study
Troy Resources – Project Hadrian – Due Diligence
Troy Resources – West Omai Gold Project - Consulting
Troy Resources NL – Andorinhas Project - Lagoa Seca Testwork
Troy Resources NL - Antena Sul Project – Metallurgical Testwork
Troy Resources NL - Bell Chambers Project – Metallurgical Testwork
Troy Resources NL - Casposo Mill – Simulation
Troy Resources NL - Cornishman Ore Treatment – Consulting Advice
Troy Resources NL - Goias Velho Project – Testwork & Flowsheets
Troy Resources NL - Lord Henry & Lord Nelson Burdekin – Heap Leach Viability Project
Troy Resources NL - Metallurgical Accounting
Troy Resources NL - Mill Throughput Calculations
Troy Resources NL - Mina Sertao Project - Process Optimisation & Metallurgical Testwork
Troy Resources NL - Paulsens Project
Troy Resources NL - Resin-In-Pulp Technology – Expert Advice

Iron (Hematite, Magnetite, Iron Sands)
A&M Minerals – Malobog Iron Sands Project – Testwork
Accent Resources – Magnetite Range – Pre-Feasibility Study & Due Diligence
Atlas Iron – Iron Ore Due Diligence
Behre Dolbear Australia - Argyle Project – Due Diligence
Behre Dolbear Australia - Fortescue Metals Project – Due Diligence
Behre Dolbear Australia - Mt Gibson Project – Due Diligence
Behre Dolbear Australia - Tailering Peak - Process Review
BlueCrest Capital Management – Fortnum Gold Plant – Scoping Study
Brazilian Metals Group Ltd – Gema Verde Group – Scoping Study
BrightStar Resources – Maude Creek Gold Project – Due Diligence
Cape Lambert Iron Ore Pty Ltd - Cape Lambert Project – Metallurgical Testwork
CP Mining Management - Mineralogy Magnetite Project
Eagle Bay Resources NL - PNG Iron Sands Project
Eastern Iron Ltd – Hawkwood Magnetite Project – Metallurgical Testwork
FMG - Funding Due Diligence
Goldman Sachs-Iron Ore Review
Haggarty Nominees - Ore Sample Assay
Ironclad Mining Ltd – Wilcherry Hill – Feasibility Study Review
Iron Road – Central Eye Iron Project - PFS
Iron Road Ltd – Gawler Iron Project – Testwork
Jackson MacDonald – BHP - Expert Witness
Logicamms – Brazilian Iron Ore Project – Testwork and Pre-Feasibility Study Review
### Global Project Experience

**Iron (Hematite, Magnetite, Iron Sands)**
- Macarthur Minerals – Ularring Hematite Project – Beneficiation Testwork Management
- Metline Gold Mines Ltd – Metallurgical Testwork
- Metalliko Resources – Anthill Project – Sighter Testwork
- Mindax – Mt Forrest – Two Day Workshop
- Minotaur-Mutooroo Iron Ore Project

**Navigator Resources – Cummins Range REO Project**
- Norseman Gold – Lady Miller Magnetite Project – Sighter Testwork
- Northern Star Resources – Mount Olympus – Metallurgical Testwork
- NSL – Indian Iron ore Project – Testwork
- Portman Mining - Magnetite Study
- POSCO – Roy Hill Project – Consulting
- Rio Tinto - Mt Tom Price - Metallurgical Work
- Rio Tinto - Paraburdoo - Metallurgical Work
- Rio Tinto Iron Ore – Fugitive Dust Investigation
- Rio Tinto Iron Ore – Hope Downs Project – Feasibility Study
- Royal Resources - Warrieder Project - Preliminary Metallurgical Assessment
- Scandinavian Recourses - Kiruna Project - Testwork
- Shree Minerals – Hematite – DSO Testwork
- Snowden Group – Project Rocket – Due Diligence
- Snowden Mining Consultants – TTR Iron Sands -Desk Top Review
- SRK Consulting - Mt Gibson Project - Due Diligence
- Talisman Mining – Woomunna Project - Metallurgical Testwork
- TTR-NZ Iron Sands-Scoping Study
- Venus Metals – Yalgoo Iron Ore Project – Testwork & Scoping Study
- Viking Ashanti Ltd – Akoase Gold Deposit – Sighter Testwork
- Western Desert Resources – Roper Bar Iron Ore Project – Metallurgical Review
- Wright Prospecting – Audit
- Zenith Minerals – Mt Alexander Magnetite Project – Due Diligence

**Vanadium (Vanadium/Titanium, Molybdenum/Vanadium)**
- Apollo Management Ltd – Windimurra Vanadium Project – Due Diligence
- Atlantic Ltd – Windimurra Vanadium Project – Plant Audit
- Behre Dolbear Australia - Finland Vanadium Project – Pre-Feasibility Study
- China Vanadium Project - Metallurgical Consulting
- Intermin Resources Ltd - Molybdenum and Vanadium Extraction Literature Search

**Vanadium (Vanadium/Titanium, Molybdenum/Vanadium)**
- Reed Resources – Barramble Project - Bankable Feasibility Study Scope of Work, Atmospheric Leach & Recovery Vanadium, Optimisation Testwork & Oxalate Supply
- Reed Resources Ltd – HPAL TIMAG Concentrate – Metallurgical Testwork
- TNG Ltd – Mount Peake Project – Testwork & Pre-Feasibility Study, Feasibility Study & Scoping Study
- Vanadium Australia Pty Ltd - Plant Beneficiation Study

**Mineral Sands (Garnet, Titanium Dioxide and Titanium Chemicals)**
- Archipelago Resources – Vietnam Mineral Sands Project - Scoping Study
- GMA Garnet Pty Ltd - New Garnet Application Project
- Hansung Elcomtec Co Ltd - Sembiru Mineral Sands Project
- MrCrae Clough – Indonesian Mineral Sands Project
- Millennium Inorganic Chemicals - Fume Shed Scrubber Upgrade
- Olympia Resources - Garnet Project
- R Coles and Associates - Sand Grinding Project
- Tisw - Chandala - Operating Manuals

**Nickel**
- Breakaway Resources – Andrews Project
- Breakaway Resources Ltd – The Horn Project - Metallurgical Characteristics
- Consolidated Minerals – Due Diligence
- Fox Resources - Radio Hill Plant
- Halcyon Resources – Halcyon Project - Heap Leach Study
- Heron Resources – Metallurgical Support
- Independent Engineers - Honeywell Well - Due Diligence
- Independent Engineers - Thundelarra - Feasibility Study Expert Witness
- LionOre - Black Swan Nickel, Emily Ann Project & Honeywell Well
- MrCrae Clough – Laterite Project - Scoping Study
- OM Group – Cawse Project - Contract Metallurgist
- Poseidon Nickel - Windarra Project - Heap Leach Support
- Preston Resources – Marlborough Project - Due Diligence
- Rusina Mining NL – Acoje Project - Ferronickel Study
- Sally Malay Mining - Nickel Project - Performance Guarantee
- Vulcan Resources – Kuhmo Project Finland

### PROCESSING
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- ENGINEERING STUDIES
- OPERATIONS
- TRAINING
## Global Project Experience

### Nickel
- Snowden Mining Consultants - Black Swan Nickel Project
- Snowden Mining Consultants - Ferronickel Serbia - Competent Persons Report
- Snowden Mining Consultants - Ferronickel Macedonia - Competent Persons Report
- Thundelarra Exploration - Copernicus Project - Feasibility Study
- Titan Resources NL - Armstrong Nickel Project
- Vulcan Resources - Kuhmo Project - Scoping Study
- YTC Resources - Nickel Project - Due Diligence
- Zambezi Resources - Mitaba River Project

### Rare Earths (Tantalite, Niobium)
- Aus American Mining - La Paz REE Project - Scoping Study
- Aztec Exploration - Brockman Niobium, Tantalum RE Project
- Aztec Resources - Mt Weld Rare Earths - Metallurgical Analysis
- Hastings Resources PTY LTD - Hastings Rare Metal Project - Testwork
- Pella Energy - Ak Terek Project

### Uranium
- African Investments Group Congo SA - Uranium Phosphate Project
- AMC Consultants - Uranium Consulting
- Contact Uranium Ltd - Kamushan Project
- Cominco S.A. - Hinda Uranium Project - Metallurgical Testwork
- Encounter Resources - Hillview Project - Testwork
- Energy Ventures - Aurora Uranium Project - Scoping Study
- Extract Resources - Husab Project
- Jackson Gold - Rio Colarado Project - Polymetallic Study
- Reliance Industries Ltd - Uranium Processing Advice
- Rio Tinto - Kintyre
- Uran Ltd - Grants Ridge Project - Mine Water Issues
- Uranex NL - Manyoni Project - Testwork Planning & Management
- Uranex NL - Thacher Soak Project - Testwork Management
- Wild Horse Energy - Messeck Hills Uranium Project

### Manganese
- Energia Minerals Ltd - Carley Bore ISL Project - Bottle Roll Leach Test
- Golder Associates Pty Ltd - Bootu Creek Project - Due Diligence & Metallurgical Accounting
- Golder Associates Pty Ltd - OM Manganese – Commonwealth Bank Funding Advice
- Spitfire Resources Ltd - Woodie Woodie Project – Testwork Management

### Alumina
- Alcoa - B30 Project
- Norton White – Expert Witness
- Worsley Alumina - Collie Operations - Efficiency Upgrade

### Others
- **Bauxite**
  - Australian Bauxite Ltd – Metallurgical Testwork
  - Snowden Group – West Kalimantan Bauxite Project – Metallurgical Testwork Review
- **Cement**
  - Lafarge - Crushing Plant Expansion
- **Chromite**
  - Archipelago Resources - Co Dinh Project – Metallurgical Testwork
- **Graphite**
  - Eagle Bay Resources
  - Uley Graphite Resources
  - Castle Minerals – Testwork
  - TNG Ltd - Testwork
- **Kaolin**
  - WA Kaolin Ltd - Gabbin Kaolin Project
- **K₂SO₄**
  - Rewards Minerals Ltd - Potassium Sulphate Schematic Diagram
- **Lithium**
  - Altura Mining – Pilgangoora Lithium Project – Feasibility Study
  - Altura Mining – Altura Spodumene Project – Sighter Testwork
  - Golder Associates – Due Diligence
  - Project Daughter – Greenbushes – Due Diligence
- **Phosphates**
  - Maaden phosphate Company - Specialist Services & Testwork
  - Cominco S.A. – Hinda Uranium Phosphate Project – Metallurgical Testwork
- **Platinum**
  - Niplats – Speewah Project
  - Thundelarra Exploration Ltd - East Kimberley Platinum Project
- **Potash**
  - Strata Minerals – Potash Gulf of Carpentaria – Due Diligence
  - Rio Tinto - Koiloan Project – Pilot Plant
- **Salt**
  - Onslow Salt Pty Ltd - Onslow Salt Project
- **Sulphur**
  - WMC – Metallurgical Consulting
- **Talc**
  - WMC - Talc Operations Beneficiation
- **Tungsten**
  - Hazelwood Resources - Cooke’s Creek Project
- **Zeolites**
  - Quantum Filtration Media - Zeolite Project
- **Zircon**
  - Astron Limited – Zircon Project – Due Diligence

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**PROCESSING** | **PROCESS CONTROL** | **PRODUCT INNOVATION** | **TESTWORK MANAGEMENT** | **ENGINEERING STUDIES** | **OPERATIONS** | **TRAINING**
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<td>Producing Ferronickel as a Process Alternative for Nickel Laterite Processing</td>
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<td>Technology Options for Development of a Remote Large Low Grade Copper Deposit</td>
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<td>Options for Removing Arsenic and Talc from a Copper Concentrate</td>
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<td>Critical Issues with the Beneficiations of Lithium Minerals from Hard Rock Deposits</td>
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<td>Recent Strategic Advances with Mineral Sands Beneficiations</td>
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<td>Iron Ore 2019, Perth WA</td>
<td>Downstream Value Adding of Western Australian Iron Ores</td>
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<td>Will Titaniferous Magnetite be a Significant New Source of Titanium Pigment (Ti02)</td>
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<td>World Gold, Perth WA</td>
<td>The Bottle Creek Gold Project Revisted</td>
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<td>Flowsheet Options for Processing Copper &amp; Gold Copper Ores</td>
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<td>Lithium, Perth WA</td>
<td>A Metallurgical Checklist for Bank Finance Due Diligence of Hard Rock Lithium Projects</td>
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<td>Uranium, Perth WA</td>
<td>Removing Uranium and Thorium To Produce High Quality Zircon Sand</td>
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<td>Transitioning from Single Stage SAG mill Through to Fine Crushing and Ball Mining</td>
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<td>Copper Cobalt Gold Project Flowsheet Development</td>
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<td>Technology Options For Processing Complex and Double Refractory Gold Ore</td>
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<td>Mineral Sands 2018, Perth WA</td>
<td>Will Titanium Hardrock Be A New Source Of Titanium Pigment</td>
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<td>Options to Remove Arsenic and Talc from Copper Concentrates to Improve Marketability</td>
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