

2005 PROJECTS

Mechanical Engineering

- **Various** Engineering Secondments to OMG Cawse, Goldfields Australasia, LionOre Australia
- **LionOre Australia** - Avalon Feasibility study
- **LionOre Australia** - Avalon Site Care and Maintenance Management
- **OMG Cawse** - Vessel and piping modifications and management.
- **BHP Billiton** - Nickel Smelter Compressor installation Feasibility Study
- **OMG Cawse** - Drum Scrubber feasibility development
- **Placer Dome Asia Pacific** - Paddington Gold Mine - Baseline Residue Storage Facility
- **LionOre Australia** - Waterloo Feasibility study - Mine Surface Infrastructure and layouts
- **LionOre Australia** - Black Swan Nickel Mine - Silver Swan Dewatering Optimisation Study
- **LionOre Australia** - Blackswan Nickel Mine - P32 & P10 Borehole Installations
- **LionOre Australia** - Avalon Nickel Project Pre-Feasibility Study
- **BHP Billiton** - KNS Safety show audit
- **BHP Billiton** - Segregation of Services Feasibility study

Civil/Structural Engineering

- **Lionore** - **Waterloo Site** - Design, Drafting and Project Management for Roads
- **OMG Cawse** - EPCM Acid Delivery Area Upgrade
- **Kalgoorlie Auto Spares** - EPCM Sandvik Tamrock Kalgoorlie Commercial Facility
- **Lionore Australia** - Contract Documentation - Avalon Site Infrastructure
- **Goldfields Australasia** - **St Ives Plant** - Design, Draft Minor Plant Upgrade and Modifications
- **Lionore Australia** - **Avalon** - Pre engineering of civil structural components for pre-feasibility costing.
- **DHW Goldfields Region** - Contract Documentation and Administration – Kalgoorlie Regional Hospital Water Ring main Replacement, Kalgoorlie
- **Portman Ltd** - **EPCM** - ROM Bin and Retaining Wall
- **OMG Cawse** - Design and Draft – Stockpile Conveyor and Trestle Assessment

Mining Engineering

- **Lionore Australia** - Waterloo Underground Contract Compilation, Review and Recommendation
- **Gleneagle Gold** - Various Underground and Open pit studies for Fortnum Project
- **Resolute Mining** - Underground Mining and In-Wall Ramp Studies for Syama Project
- **Dioro Exploration** - Various Mining studies
- **Lionore Australia** - Black Swan Open Pit Owner Operator Study
- **Kingsrose** - Various licencing works for Sand George Mine
- **Titan Resources** - Various Underground and Open Pit Scoping Studies

Electrical Engineering

- **LionOre Australia** - Various electrical feasibility studies (Waterloo, Avalon)
- **LionOre Australia** - Avalon Care and Maintenance
- **LionOre Australia** - Lake Johnston Mill expansion
- **BHP Billiton** - KNS Secondments and various project works
- **OMG Cawse** - Various projects

Drafting

- **Gold Fields Lefroy Plant** - Pebble Crusher Bypass/Overflow Chute
- **Gold Fields Lefroy Plant** - Drafting Secondment
- **Gold Fields Lefroy Plant** - CV05 and CV06 Upgrades
- **LionOre Australia** - Avalon Nickel Project - Road and Drainage Design
- **LionOre Australia** - Avalon Nickel Project - Site Plan Design
- **LionOre Australia** - Avalon Nickel Project - Site Electrical Verification
- **LionOre Australia** - Thunderbox Gold Project CIL Feed Re-Design
- **OMG-Cawse Nickel** - Sulphuric Area Hastalloy Sump Liner
- **OMG-Cawse Nickel** - Drafting Secondment



2005 PROJECTS continued

Asset Management

- **Classified Plant Management Audits** - (Rio Tinto - Argyle Diamonds, Gold Fields Australasia, Western Areas, BHP Nickel West, Lionore, OMG Cawse, KCGM, Placerdome, Simcoa, Lungana Lime, Perilya, Iluka Resources, Simcoa etc).
- **Major Contractors** (Barminco, Ausdril, Layne Drilling, Boom Logistics, Drillcorp, RocheMining etc)
- **Mobile Plant and Drilling Equipment Inspections** - (Argyle Diamonds, Western Areas, BHP Nickel West, Lionore, OMG Cawse, Placerdome, Simcoa, Lungana Lime, Perilya, Iluka Resources etc).
- **Major Contractors** (Barminco, Ausdril, Layne Drilling, Boom Logistics, Drillcorp, RocheMining etc)
- **Maintenance Consulting**
- **Lionore Blackswan** - Transition from Contractor to owner asset management
- **Mincor (Wannaway)** - Transition from Contractor to owner asset management
- **Gold Fields (St Ives Gold Mines)** - PM strategy optimisation
- **Gold Fields (Agnew Operations)** - PM Strategy optimisation
- **Risk and Safety Engineering**
- **NATA approved Non Destructive Testing for various clients**
- **Plant Commissioning Works** for various clients
- **Dangerous Goods Facilities** auditing (Placerdome, Western Areas etc)
- **Incident investigations** (Lionore, Perilya St Ives Gold Mines)
- **Proof Load Tests for winding equipment**
- **Equipment design** reviews for various clients
- **Hydrotests for Pressure Vessels**
- **Shutdown works** (OMG Cawse, etc)
- **Gap analysis for lifting operations** - BHP Iron Ore Port Operations
- **Corrosion monitoring** - Portman
- **Training Services**
- **Maintenance Planning** (Gold Fields Australasia).
- **NDT Ultrasonic Thickness Testing Level 1** (OMG Cawse, Placerdome & Rapallo).

