

2004 PROJECTS

Civil/Structural Engineering

- **LionOre Australia** - Dynamic Analysis for Thunderbox Carbon-screens.
- **Perilya Limited** - Removal of Daisy Milano Head frame and Installation of Vent fan and Collar.
- **Geotechnical** - Investigations including the proposed target development, Egan St and Main Road development Piesse St
- **Concrete Durability Audits** for Placer Dome Asia Pacific and Goldfields St Ives Mining Company.
- **Granny Smith Sag Mill** platform upgrade for specialized reline methodology.
- **Fluidline Services** - industrial development.
- **Residential projects Including** - foundations and structural design, pre-purchasing inspections.
- **Coolgardie Mining Company** - Three mile Hill Rom Bin and bridge crane replacement EPCM.
- **Australian Rail Track Corporation** - Hydrology investigations into various rail bridge culverts.

Mechanical Engineering

- **Various Engineering secondments** to OMG Cawse, Goldfields Australia, LionOre Australia.
- **LionOre Australia** - Avalon Feasibility study.
- **Kanowna Belle Gold Mine** - Audit and certification works.
- **OMG Cawse** - Vessel and piping modifications and management.
- **KCGM** - Pipeline saline water integrity study.
- **KCGM** - Drilling broom mounting plate design.
- **MPI mines** Further upgrades to the primary ventilation fan at the black swan.

Mining Engineering

- **Various Engineering and Mine management secondments** to Goldfields Australasia, LionOre Australia, Siberia Mining
- **LionOre Australia** - Waterloo Feasibility study.
- **Siberia Mining** - Various scoping and feasibility studies.
- **Breakaway Resources** - Various scoping and feasibility studies.
- **Dioro Exploration** - Various scoping and feasibility studies.
- **Hibernia Gold** - Various scoping and feasibility studies.
- **Australian Contract Mining** - Various scoping and feasibility studies.

Electrical Engineering

- **LionOre Australia** - Various electrical feasibility studies. (Waterloo, Avalon)
- **LionOre Australia** - Emily Anne and Maggie Hayes Pump station control design.
- **LionOre Australia** - Avalon Care and Maintenance.
- **LionOre Australia** - Lake Johnston Mill expansion.
- **St Ives Gold Mines** - High voltage distribution system designs.
- **Mt Marion** - High voltage distribution designs.
- **Central Norseman Gold Operations** - Power station and High voltage distribution system designs.
- **Mt Isa Mine** - Underground High voltage system audit, design an engineering support.

Drafting

- **City of Kalgoorlie Boulder** - road extension at Boomerang Crescent Kalgoorlie.
- **LionOre Australia** - Lake Johnston Operations underground pump station, major pipeline design.
- **LionOre Australia** - Waterloo feasibility study, mine infrastructure layouts.
- **LionOre Australia** - Thunderbox primary crusher Bridge crane design.
- **City of Kalgoorlie Boulder** - Extension of community center.
- **Placer Dome Asia Pacific** - Wallaby pump station.
- **Fluidline** - Design and project management of new 720m2 work shop.
- **Breakaway Resources** - Highway intersection Design.



2004 PROJECTS continued

Inspection Services

- **Harmony Pty Ltd** - Classified plant audit and inspection – New celebration.
- **Argyle Diamond Mines** - Implementation of inspection services.
- **Argyle Diamond Mines** - Classified plant audit and inspection.
- **LionOre Australia** - Lake Johnston Operation, classified plant audit and inspection service.
- **Placer Dome Asia Pacific** - Kanowna Belle Gold Mine, classified plant audit and inspection service.
- **Portman mining** - Rail wagon inspection service.
- **OMG Cawse** - Autoclave and other classified plant inspections during February 2004 shut down.
- **Monodelphous Engineering** - Load test man cage
- **Inspection Service Provider** - (classified and mobile plant) for major mining houses: Goldfields Australia, Sons of Gwalia, VMC, Placer Dome Asia Pacific, LionOre Australia KCGM. Croesus, Perilya as well as Majority of drilling companies in Western Australia.

Maintenance and Construction Planning/Supervision

- **Various Secondments** to placer Dome Asia Pacific, LionOre Australia and WMC.

