

# CALEELA MCENIERY

## Principal Engineer

Diploma of Engineering (Mining) – RMIT  
 Graduate Diploma of Management (Technology) – Deakin University  
 MAusIMM



**Principal Engineer**  
**Technical | Strategic | Innovator**

With over 30 years of operational and advisory experience, Caleela is a professional mining engineer who applies strategic thinking and innovation to achieve client solutions. Caleela has been involved in green-field sites across Australia and internationally where she has delivered operational technical review, resource optimisation, feasibility studies, and best-practice mine planning solutions to meet client needs.

Her consulting roles have provided experience in independent technical analysis and assessment of mining operations and resources. She has also provided software consulting, development and implementation, training and support for mining companies, government agencies and mining industry service providers. Caleela has a proven track record for providing consistent, expert consulting and technical support to major open cut mining operations.

Caleela has led multi-disciplinary teams responsible for providing technical services to the mining operations. She has developed and implemented mine scheduling solutions for companies with multi-site operations while catering for site-specific geology, quality constraints and mining methods. She is accomplished at developing and delivering both public and client-specific professional development and technical software training courses.

### Expertise

- **Resource Sector Experience:** Coal, Bauxite, Iron Ore and Gold. Operational, Advisory and Software;
- **Operational Experience:** Open cut mining, multi-pass draglines plus truck and shovel operations;
- **JORC Resource & Reserve Reporting:** Statutory Exploration Manager (WA) - managed annual bauxite exploration and grade-control geological drilling and analysis programs.
- **Risk Mitigation:** Coal and Bauxite Quality - Mitigated short term risk for quality variation and product blending requirements;
- **Mine Planning Systems:** Development, use and implementation of mine planning processes and systems. Experience in both strategic and operational mine planning, including operational technical reviews and best-practice recommendations.
- **Operational Mine Planning experience in:** Multi-seam dragline operation producing metallurgical and thermal coal for domestic and export markets. Open cut multi-pit lateritic bauxite mine utilising dozer ripping with truck and excavator fleets. Truck and shovel Iron Ore operation producing magnetite pellets from high-grade magnetite slurry.
- **Financial:** Preparation and coordination of annual mining operation budgets, quarterly re-forecast capital expenditure proposals and implementations;
- **Professional Development:** Presented and helped develop, both public and client-specific professional development (Mining for Non-Miners) and technical (XPAC, TALPAC and XACT) training courses.  
 Expertise in assessing and developing a strategic professional presence for resource industry professionals.
- **Software Proficiency:** Spry [C#], Deswik, XPAC [Visual Basic]

### Career Highlights

- **Xenith Consulting:** Caleela has undertaken project manager roles for a pre-feasibility study with value > \$1M, and Spry model implementations. Conversion of XPAC to Spry models and development of dataflows. Completed JORC Reserve assessments.
- **RPM Global:** Developing and maintaining strong client relationships by providing consistent, professional consulting and technical support to all the major Hunter Valley open cut mining operations - ensuring continuity of corporate knowledge for over a decade.

### Professional Experience

Principal Engineer	2018 – Present	Xenith Consulting Pty Ltd
Personal Image Specialist	2013 – 2018	Outstanding Image
Consulting Mining Engineer	1999 – 2013	RPM Global, Hunter Valley
Senior Mining Engineer	1993 – 1999	Worsley Alumina
Dragline Engineer, Senior Coal Quality Engineer	1988 - 1993	Curragh Queensland Mining Limited
Mining Engineer	1987-1988	Savage River Mines