



Chris Dutton
Principal Mining Engineer

BEng Mining (2000)
Graduate Cert in Mining Finance (2015)
MAusIMM



Chris has two decades of experience in the coal mining industry across a number of technical roles in open cut applications. Chris’s strengths lie in his practical experience and technical computing skills to provide leading edge technical solutions and operational support across short, medium and long term mine planning timeframes.

Expertise

- **Forecasting & Scheduling:** SPRY / XPAC scheduling and budgeting across short, medium and long term mine planning timeframes, including the development of scheduling models.
- **Mine Design:** Generation of medium and life of mine designs and reserves.
- **Dragline Planning:** Sequence planning, pass factor generation (range diagrams) and 3D dig designs.
- **Mine Optimisation:** Including alternative mining methods, fleet selection, mine design and product optimisation.
- **Strategic Mine Planning:** Participant and peer reviewer of a range of feasibility level studies.
- **Haulage Studies:** Fleet matching, scheduling, landforms and haulage analysis.
- **Mine Development Planning:** Provided input into approval processes and co-ordinated capital plans.
- **Competent Person:** In reporting coal reserves. Successfully completed AusIMM JORC Code Reporting course.
- **Software Proficiency:** Proficient with SPRY, Minex, Deswik, XPAC, 3D-Dig, and Microsoft Excel.

Career Highlights

- **Xenith Consulting:** Optimisation of the Mt Pleasant mining sequence for a pre-feasibility study over the Life of Mine Plan. Assessment of dragline operating strategies for Mount Thorley Warkworth to reduce dragline rehandle, maximising prime and coal uncovered.
- **Bengalla:** Direct involvement in the continued expansion of Bengalla over 10 years. Development of long-term planning systems including dragline strategy, SPRY scheduling and cost models.
- **Mt Arthur Coal:** Development of short term XPAC model for scheduling.
- **Peak Downs:** Member of the UDD dragline implementation project team. Development of dragline planning and forecasting processes.

Professional Experience

Principal Mining Engineer	2019 – Current	Xenith Consulting Pty Ltd
Long Term Mine Planning Supt	2007 – 2019	Bengalla Mine NSW
Acting Technical Services Manager		
Medium Term Mine Planning Supt		
16 Week Planning Engineer		
Short Term Overburden Planning Supt	2005 – 2007	Mt Arthur Coal NSW
Short Term Planning Engineer		
Scheduling Engineer	2001 – 2004	Peak Downs Mine QLD
Dragline Engineer		