



## The Client



The Moolarben Coal Complex in the Western Coalfields of NSW lies within the Mid-Western Regional Council Local Government Area. Moolarben Coal Operations Pty Ltd operates the mine on behalf of the Joint Venture (JV). The JV partners are YanCoal Australia Pty Ltd (80%), Kores Australia Moolarben Coal Pty Ltd (10%), and Sojitz Moolarben Resources Pty Ltd (10%).

## The Project

Leadership of Definitive Feasibility Study for the mine to proceed to Stage II of its development, including:

- Satellite Open-cut Mine
  - ◇ Box-cut
  - ◇ Mine Infrastructure
  - ◇ HV supply from regional grid
  - ◇ Dump station and overland conveyor
  - ◇ Raw Coal stockpile with stacker and reclaimers
  - ◇ Coal Preparation Plant upgrade
- New Underground Mine
  - Highwall entries and pit development
  - Ventilation, dewatering
  - Long-wall
  - Coal clearance system
  - Coal sizing and handling plant through to train loading

## The Challenge

- The studies, to determine value to shareholders of the Stage II projects, were to be completed to industry standards from a standing start with little preparatory work
- Maintaining focus on this objective, tight definition of scope, and avoiding diversions into alternatives
- Meet the immovable study completion date
- Calculate shareholder returns from the necessary capital investment with defined confidence levels

## The Outcome

- Engineering deliverables sufficient to calculate the value to shareholders of the projects, and no more
- Over-engineering, common in studies, was avoided
- Shareholder value calculation of necessary accuracy from fully developed capital estimate and delivery schedule
- Project Implementation Plans to facilitate launch immediately upon Shareholder approval were conceived and documented
- Assignment completed on time and under budget



*'experience makes a difference'*