



The Client



The Project

AECOM were awarded the surface infrastructure package for the Definitive Feasibility Study covering a proposed open cut and underground mining operation at Xstrata Coal's United Colliery.

The study completed in June 2011 included the following scope:

- Open Cut
- Water supply and storage dam
- Water management on site
- Mine Infrastructure Area including workshops, offices and amenities
- Fuel and lubricant storage, handling and distribution
- High voltage transmission line relocations
- New regional highway intersection
- Power supply and distribution onsite
- Communications backbone for site
- Operational fuel storage facility
- Coal export transport corridor from site
- Bulk earthworks for all facilities including the CHPP
- Underground
- Mine Infrastructure Area including workshops, offices and amenities
- Fuel and lubricant storage, handling and distribution

- Upgrade regional highway intersection
- Power supply and distribution onsite
- Communications backbone for site
- Haul road connection to the open cut area and CHPP
- Bulk earthworks for all facilities
- Flagstaff provided Project Management support for this study

The Challenge

- Developing an integrated facility with open cut and underground options
- Interface with CHPP consultant
- Interfaces with statutory authorities regarding realignment of existing infrastructure

The Outcome

- United Collieries project personnel were actively engaged in the review workflow processes
- Capital cost trends from the Prefeasibility Study values were identified and reported progressively
- Study delivered on time and within budget

'experience makes a difference'