

When a global miner wanted to ensure a greater degree of rigour around the planning for an upcoming longwall move

We helped them develop a detailed plan to cater for current and future moves

The Challenge

The Client Mine site had experienced significant time and cost overruns against plan in their previous longwall moves. This in part was caused by a combination of difficult strata conditions, the need for major overhauls to critical equipment and poor preparation. The COO had mandated that the upcoming longwall move must be planned to be completed within a tighter timeframe than historically had been achieved.

How we helped?

Deloitte was asked to provide a higher level of rigour to the planning process. This included:

- Testing assumptions and identifying risks
- Support the development of alternative sequencing options
- Developing work breakdown structures for every task of the longwall move
- Determining task hours and resources levels
- Establishing criticality of suppliers and contingent suppliers
- Building a complete project plan for the move.

Workshops were held to test various scenarios and independent longwall move specialists were consulted. Costs and benefits were also assessed for carrying out additional maintenance and risks and contingencies were documented. A detailed Gantt chart was developed to highlight the critical path.

Value delivered

We helped the Client create a longwall move plan that could be achieved within the desired timeframe while incorporating a full overhaul of the distribution control box, as well as offsite rebuilds of a number of chocks. The plan was built in such a way that it enabled advanced planning for labour, parts and suppliers and was flexible enough to be used as the planning tool for future longwall moves.



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