



WHITTLE CONSULTING

BUSINESS OPTIMISATION FOR THE MINING INDUSTRY

FAIRFAX – MORNING VIEW

Whittle Consulting – A unique approach to optimising project value & cash flow returns

John Meyer, 30 November 2011

Presentation to company ceo's and directors at Fairfax

Gerald Whittle and colleagues presented an overview of their 'legendary' mine optimisation process to company ceo's and directors at Fairfax yesterday.

The key concept of Enterprise optimisation focuses on maximising the economic value of the mine, processing plant and other elements with an average improvement in project NPV of the project of 5-35%.

The methodology is based on bringing projected cash flows forward by optimising production in earlier years.

The Whittle process works through 10 steps of optimisation such as pit design, mine schedule, cut-off grade, stockpiling, logistics, production and capex.

While miners try to optimise separate cycles of production, one of the advantages of the Whittle Consulting approach brings is a dynamic planning that accounts for several interdependent stages of operations simultaneously.

The company's software represents 27 years of experience in the mining optimization business and is applicable to various types of mines – open pit/ underground, small/large operations, gold/copper/nickel/ rare earths etc.

The feasibility study of the project contains all the information required to feed into the model and arrive at optimisation scenario.

Conclusion: The approach challenges traditional methods of mine management, is proven to optimise cash flow and add significant value to mining projects where properly



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implemented. The challenge for miners is to fully utilise these ideas and processes to deliver value for investors and shareholders.

Gerald Whittle is giving a two day seminar in London tomorrow and Friday. This is well worth attendance and is highly recommended.