

# WHITTLE: STOCK-PILE & CUT-OFF

## MAXIMISE ECONOMIC PERFORMANCE

**OVERVIEW:** Whittle is a suite of strategic mine planning tools designed for professional mine planners. There is a growing range of modules which can be added to Whittle, further increasing its performance and utility.

This module allows a stockpile and cut-off optimisation to be performed on a mining sequence produced in Whittle, or imported into the system.

To find out more about how your operation can benefit from Whittle Stock-pile and Cut-off, contact us at [info@gemcomsoftware.com](mailto:info@gemcomsoftware.com), or visit our web site at [www.gemcomsoftware.com](http://www.gemcomsoftware.com).

### STOCK-PILE AND CUT-OFF MODULE

The Stock-pile and Cut-off module re-schedules the mining sequence, taking into account all the constraints and setting in Whittle and optimising the stockpile utilisation and cut-off strategy. The process uses a Whittle adaptation of the Lane approach to stockpile and cutoff optimisation.

It can be used to:

- Determine the optimum usage of grade stockpiles in order to maximise NPV.
- Determine the optimum cut-off strategy for maximisation of NPV.

The use of stockpile and cut-off optimisation can lead directly to improved NPV.

The stockpile and cut-off module includes a whole value chain model, extending its use beyond optimisation, to a vast range of 'what-if' analysis and advanced design techniques. Professional mine designers can experiment with different stockpile, processing and mining configurations and rapidly analyse the impact on different parts of the value chain and the total economic impact. Advanced techniques include the optimisation of comminution functions and autoclave times.

The simple operation of this module belies the analytical potential it provides mine designers.

### MODULAR AND SCALABLE

The Stockpile & Cut-off Module is just one of a growing range of advanced modules that can be added to the Foundation architecture of Whittle. This scalable approach allows the Whittle strategic mine planning suite to adapt and evolve with individual user requirements. A whole new range of mine planning analysis possibilities is now available to mine planning professionals.

