ThreeDify Inc. offers next generation mining software solutions to help our clients increase resource recovery and reduce mining costs. Our mission is to empower our clients with the competitive edge to maximize the economic potential of their projects.

ABOUT THREEDIFY

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FULLY INTEGRATED SOLUTION

From Modelling to Scheduling with No Data Silos

High Performance 3D/2D Modelling and Optimization

TOOLS TO HANDLE BIG DATA

www.threedify.com
Solutions for Open-Pit and Underground Mining

- Fully integrated from resource modelling to scheduling in a single, unified workspace with no data silos. Hence, greatly improve productivity.

- GeoModeler’s state-of-the-art surface based Dynamic Anisotropy (DA) interpolation system helps geologists improve accuracy of their resource estimates. The maximum model space is 0.5 million x 0.5 million x 0.5 million instead of 1k x 1k x 1k from traditional mining software packages.

- FlowPit is much faster than other pit optimizers in the market and it can handle 100 million non-air blocks without use of super-blocking. It is well-known that super-blocking materially affects NPV or solution accuracy.

- Stopemizer is a (DA-MSO) that uses anisotropic rotation angles for defining stope shapes and orientations to minimize dilution and increase mining recovery while respecting basic geometric and geotechnical constraints.

- GeoMine’s Visual Formula Editor and parametric 3D design tools can be adapted for any deposit types with varieties of constraints, as well as ‘what-if’ scenarios.

GEOMINE MODULES

- GeoModeler - comprehensive resource modelling & estimation tools
- FlowPit - high performance pit optimizer
- QuickPit - incremental and parametric pit designer
- Stopemizer - dynamic anisotropic minable shape optimizer (DA-MSO)
- Cavemizer - cave optimizer & parametric designer
- uCAD – 3D underground design tool
- Optunimizer - open-pit to underground transition optimizer
- OptimCut - cut-off grade optimizer
- iScheduler - strategic and tactical scheduler
- CloudMesher - point cloud meshing tool
- GSM - gridded seam modelling & design tools for stratified deposits

The Competitive Advantages of GEOMINE

- Fully integrated from resource modelling to scheduling in a single, unified workspace with no data silos. Hence, greatly improve productivity.

ThreeDify features Optunimizer, the ONLY Open Pit to Underground Transition Optimizer which takes guess work out of your mine planning

GeoMine-Optunimizer is being used on a global scale to help mine planners and investors determine an optimum open-pit to underground transition point to maximize their deposits’ economic potential.

Not only is Optunimizer a good tool to help mine planners determine optimal transition zones from open-pit to underground operations, it can also help investors/shareholders to make informed decisions in the early feasibility studies on their investments.

We have helped clients conduct feasibility studies on their projects via Optunimizer; after detailed “what-if” scenario analyses, they found the best strategies to achieve the fastest ROI.