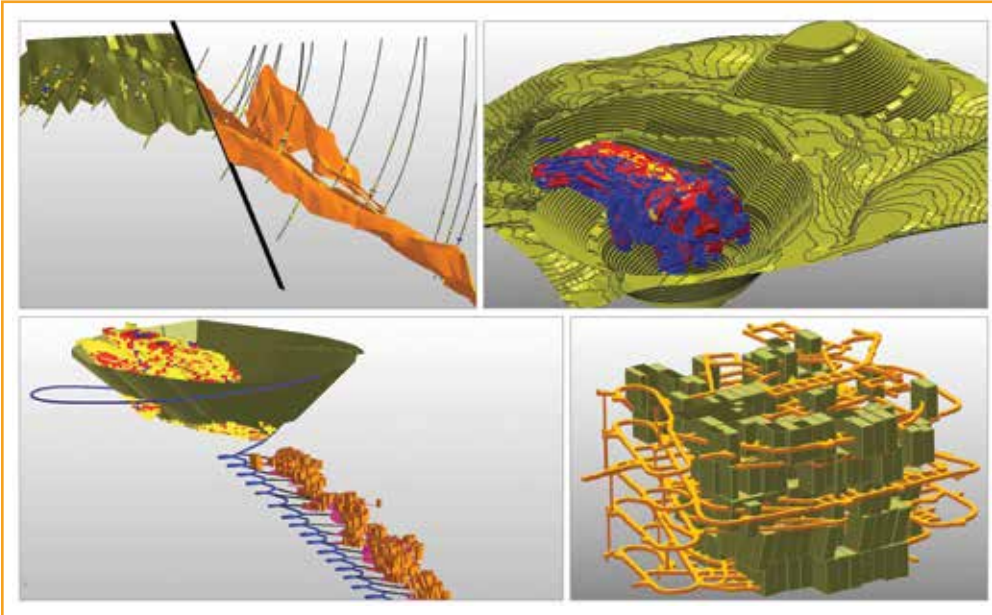


## ABOUT THREEDIFY

**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.



**EFFICIENCY PRODUCTIVITY PROFITABILITY**



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## FULLY INTEGRATED

Resource Modelling and Mine Planning Solutions  
for Mines of Every Type, Method and Commodity

High Performance 3D/2D Modelling and Optimization  
**TOOLS TO HANDLE BIG DATA**



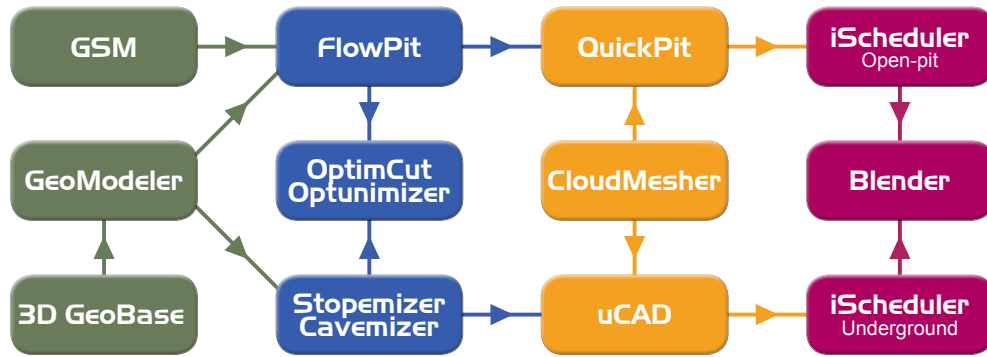
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# GEOMINE

Solutions for Open-Pit and Underground Mining



## The Competitive Advantages of GEOMINE

- **GeoMine** can create resource models in a universe with a record breaking size **that is over 1000 times larger than the 1 billion blocks** offered by traditional mining software packages. That empowers users to model their orebodies with a smaller block size to improve accuracy, or to model multiple satellite deposits in a single GeoMine project.
- **GeoModeler's** state-of-the-art surface based Dynamic Anisotropy interpolation system helps geologists improve accuracy of their resource estimates.
- **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** 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 to any deposit type with a variety of constraints, as well as "what-if" scenarios.

## GEOMINE MODULES

- **GeoModeler** - powerful resource modelling & estimation tools
- **FlowPit** - high performance pit optimizer
- **QuickPit** - incremental and parametric pit designer
- **Stopemizer** - dynamic anisotropic minable shape optimizer
- **Cavemizer** - cave optimizer & parametric designer
- **uCAD** – 3D underground design toolbox
- **Optunimizer** - open-pit to underground transition optimizer
- **OptimCut** - cut-off grade optimizer
- **iScheduler** - strategic and tactical scheduler
- **Blender** - ore and stockpile blender
- **CloudMesher** - point cloud meshing toolbox
- **GSM** - modelling & design tools for stratified deposits

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 the optimum open-pit to underground transition zone to maximize their deposit's economic potential.

Not only is Optunimizer a good tool to help mine planners determine the optimum transition zone, it can also help investors/shareholders to make informed decisions in the early feasibility studies on their investments.

We have helped some of our 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.