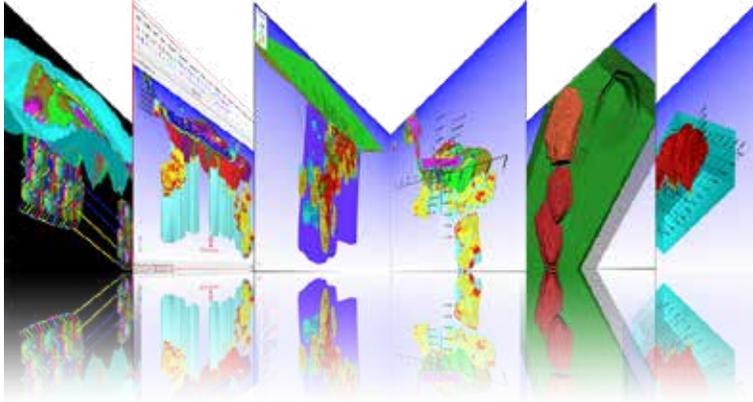


## ABOUT THREEDIFY

**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**



## STAY CONNECTED WITH US

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## FULLY INTEGRATED SOLUTION

From Modelling to Scheduling  
with No Data Silos

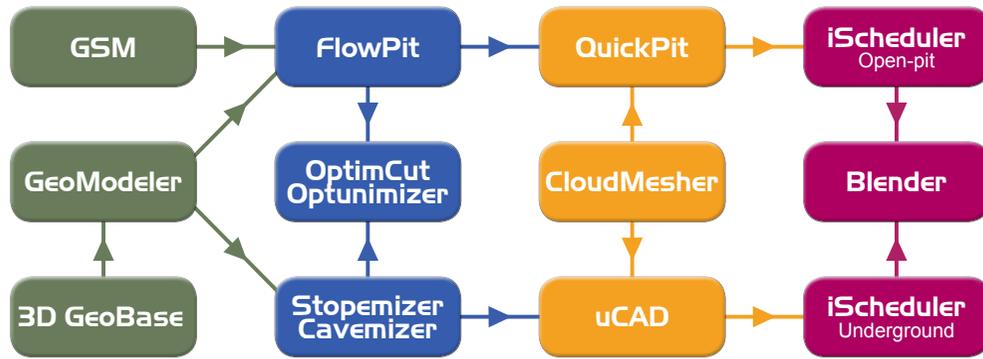
High Performance 3D/2D Modelling and Optimization  
**TOOLS TO HANDLE BIG DATA**



[www.threedify.com](http://www.threedify.com)

# GEOMINE

Solutions for Open-Pit and Underground Mining



## 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.
- **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 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.

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.

