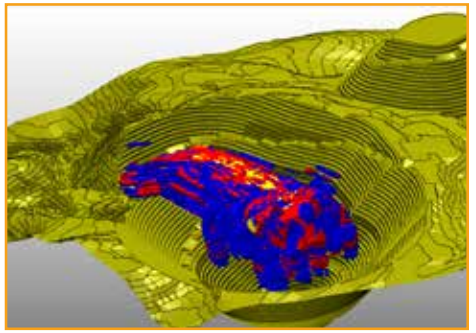
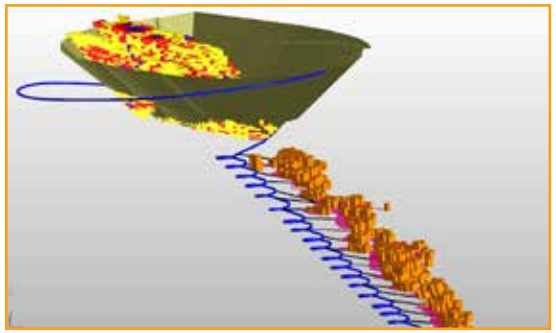
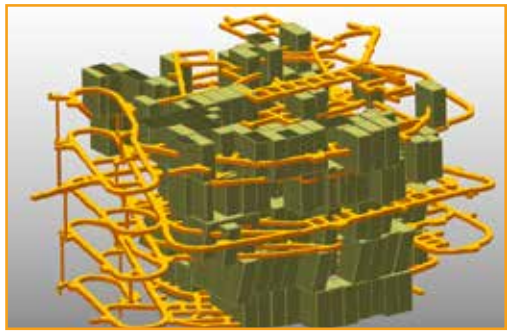
ABOUT THREEDIFY

ThreeDify Inc. develops next-generation, high-performance mining software solutions designed to unlock the full economic potential of our clients' projects worldwide. Our mission is to empower clients with data-driven insights, enabling them to adapt quickly to project changes while enhancing efficiency, profitability, and sustainability.







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GeoMine™

INTEGRATE OPTIMIZE ITERATE

ALL-IN-ONE PLATFORM

For Rapid Resource Evaluation, Reserve Optimization, Stochastic Mine Planning & Simulation

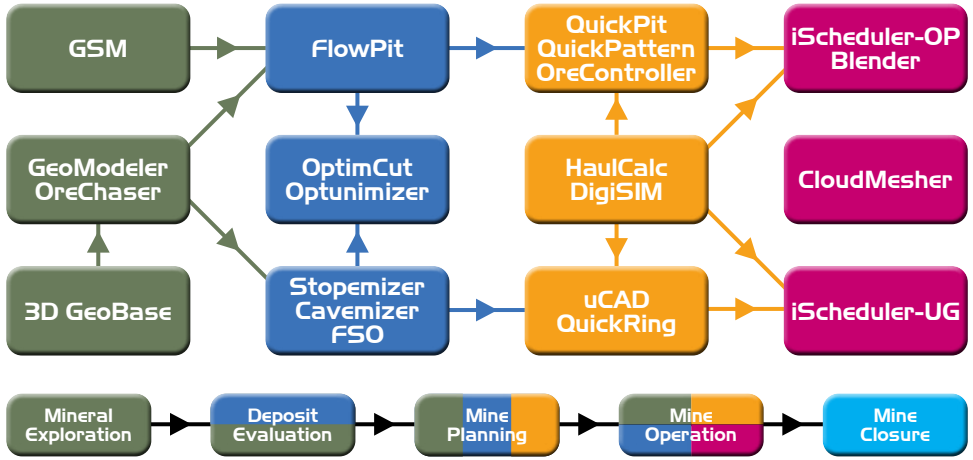
High-Performance Tools To Handle Big Data Sets

FOR MINES OF EVERY TYPE, METHOD AND COMMODITY

www.threedify.com

GEOMINE + GEOBASE Platform

Cloud-Native Power for the Full Mining Lifecycle



The Competitive Advantages of GEOMINE + GEOBASE

Unmatched Scalability for Handling Big Data

GeoMine sets the industry benchmark for managing large datasets quickly and precisely, enabling robust "what-if" scenario analyses. It creates resource models in a universe with a record-breaking size (2^40 x 2^40 x 2^40 blocks), allowing users to enhance accuracy with smaller block sizes or consolidate multiple satellite deposits within a single project.

Integrated Modeling, Planning and Simulation for Holistic Insights

GeoMine enables stochastic optimization at complex scales, incorporating geological, market, and recovery uncertainties across multi-deposit, multi-processing, and multi-haulage scenarios—to maximize NPV, reduce downside risk, accelerate value realization, and boost life-of-mine decision confidence.

AI and Machine Learning for Smarter and Faster Decision-Making

GeoMine + GeoBase leverages AI and machine learning as integral components of its ecosystem, streamlining processes and enabling real-time data analysis, pattern recognition, and optimization across various mining processes.

Intuitive Workflow

Built by miners for miners, GeoMine + GeoBase features an intuitive workflow that simplifies adoption and maximizes productivity.

GEOMINE + GEOBASE Platform

Close the Drillholes-to-Models-to-Operations Gap

GeoModeler - geological resource modeler and estimator
OreChaser - drillhole planner & infill drilling plan optimizer
FlowPit - high performance pit optimizer
QuickPit - incremental and parametric pit designer
QuickPattern - rapid blast and pre-split pattern designer
OreController - grade control with blast movement modeling
Stopemizer - stope and mineable shape optimizer (MSO)
Cavemizer - cave optimizer & parametric designer
FSO - flat shape optimizer for room/bord and pillar mining
uCAD - specialized 3D underground mine design toolbox
QuickRing - rapid drill and blast ring designer
iScheduler - stochastic life of mine and production scheduler
HaulCalc - integrated haulage analysis and fleet budgeting tool
DigiSIM - 3D haulage and supply chain simulation
Optunimizer - open-pit to underground transition optimizer
OptimCut - cut-off grade optimizer
Blender - ore and stockpile blender
CloudMesher - point cloud meshing toolbox
GSM - Gridded Seam Model for stratified deposits
GeoBase - online collaborative orebody knowledge platform