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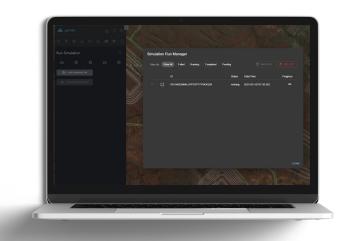
Test, evaluate and improve mining fleet operations for productivity, efficiency and cost.



Advanced, agent-based simulation for smarter, more efficient mining fleet operations

Using Gemini's 3D simulation tool, you can test a wide range of mining scenarios, like fleet makeup, stockpiles, ROM planning, equipment selection and overall mine design validation. Gemini analyses fleet interactions second-by-second, accounting for emergent behaviour.









With Gemini you can:

Evaluate alternative futures

Simulate different plans and investments, flexing parameters like loading, spotting and dumping times, payloads and tipping rules with a digital twin of your operation.

Validate your mine plan with confidence

Validate and update mine plans accurately and avoid costly investments. Identify fleet make up and impact on targets - Reduce fleet hours or increase production to hit targets. Rely on facts, not just your gut feeling!

Improve your design decisions

Tools like stockpile logic and load and haul logic help you optimise mine design and truck-digger interactions, testing route and layout options in advance.

Identify bottlenecks to productivity

Gemini makes mines more efficient by identifying congestion problems and queuing locations. By simulating truck operations, you can minimise waiting times at stockpiles and crushers and reduce digger idle time.

Predict and prevent rather than react

With Gemini's 3D spatial simulation, you can see fleet interactions and emergent behaviours second by second. Each agent recognises its location and interacts with others. By planning and predicting, you know your plans aren't just theoretical.

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To find out more, visit idoba.com