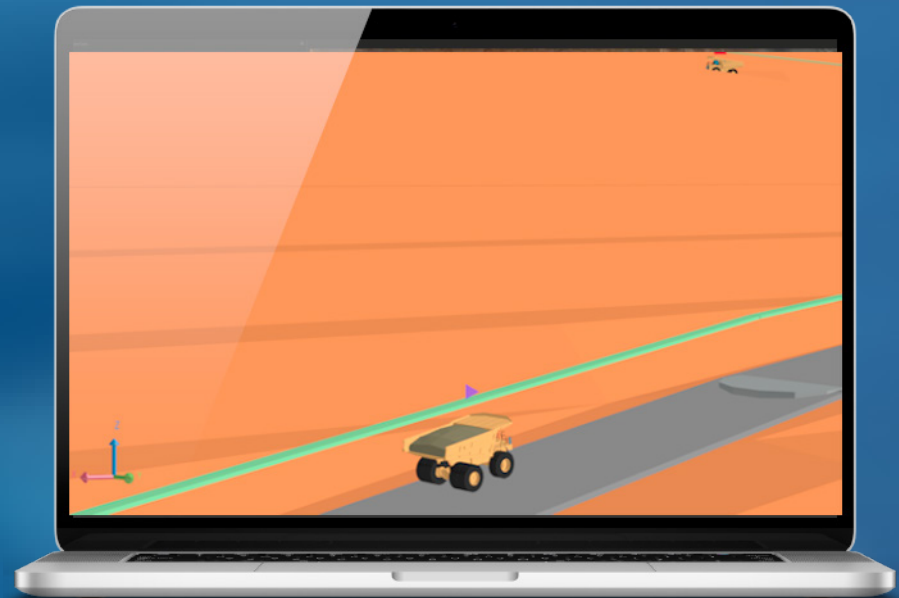


RPMGLOBAL

SIMULATE

Simulation Solution

Purpose-built
Discrete Event
Simulation solution



Short-term Planning and Execution Solution.

SIMULATE is a purpose-built Discrete Event Simulation (DES) solution for Original Equipment Manufacturers (OEMs) to model complex, 3D mining environments using fully customisable, brand-specific mining equipment.

SIMULATE is a platform used by OEMs globally to provide accurate, quantifiable, and productive equipment and service solutions for mining clients. Users of SIMULATE can showcase and articulate equipment value that is quantified and proven through simulated demonstrations.

OEMs can leverage customer data to build a 'digital twin' of any mining operation – open pit or underground – to deliver an accurate representation of any mine site's haulage operations, actively demonstrating the value their equipment and services can provide.

SIMULATE uses the most widely used haulage calculation engine in the mining industry, ensuring that you and your customers are on the same page.

Discrete Event Simulation



Increase profitability through improved operations.

Deeper Customer Engagement



Optimise operational efficiency.

Fully Customisable Equipment Library



Over 1,700 pieces of equipment to compare and contrast equipment from competing manufacturers.

User-driven Interface



Intuitive, 3D interface that is easy to use.

Electric, Hydrogen and Hybrid Haulage



Model the benefits of haulage vehicle changes.

Deliver Commercial Agility



Find optimum results quickly with scenario analysis.

Customised and Branded Reporting



Powerful reporting with over 400 built-in reports. Reports are branded to reflect your organisation and name.

Personalisation



Make it your own with our white-label offering.

Empowering Smarter Decisions

Enhanced Reporting

Leave your customers with professional looking reports.

Reports can be updated and controlled centrally ensuring a consistent approach across all regions. Different styles of reports can be configured for different user groups, ensuring the right level of detail. Language and unit conversion is supported within the reporting functionality.

Equipment Wizard

Create an equipment selection wizard to help your sales people select the right machines for the job, ensuring a consistent approach from all users.

Multi-lingual Support

Support is available in over 10 languages. Not only is the application supported, this functionality extends to the word reports that are left with customers.

Independent, Industry Standard Calculations

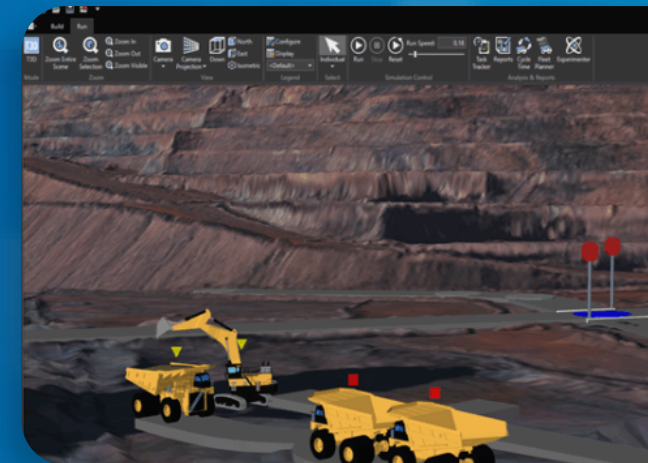
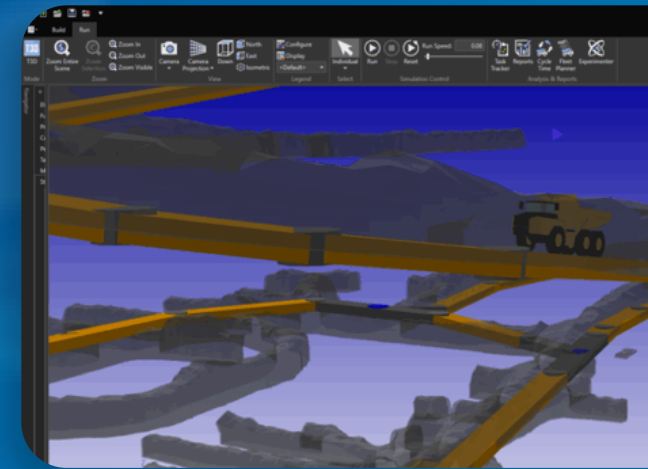
All calculations used across the application are industry standard. They have been trusted by the mining industry for 40+ years. Over 300 results, including Productivity and Total Cost of Ownership are available for each simulation run.

Flexible Licensing System

Licenses can be shared across the organisation. If a user is travelling and can't access the license server, they can take a license with them.

Realistic Load Times

Calculated for you by combining equipment information, material characteristics, and stochastic variability. Load time calculations can be enhanced by extending the equipment library so that information such as swing time for excavators is adjusted to account for material type and position.



Showcase your brand

Stand Out From the Crowd

When customers look to make a significant capital investment in equipment, productivity calculations and simple haulage calculations may not be enough. Showing the entire haulage system and how each asset will perform will ensure you stand out from the crowd and give you a unique competitive advantage.

Discrete Event Simulation (DES) accounts for interaction across the haulage system, including between equipment and other infrastructure. With a calibrated DES model, every question about complex haulage system changes can be tested and quantified before purchasing equipment. Each simulation will result in an abundance of information to make an informed decision. Because the simulations analyse the whole system simultaneously, you and your customer will be confident and aware of the expectations.

Configurable Equipment Library

Your proprietary equipment library is under your control. Equipment can be added before it is released so that you can start simulating and proving the advantage to your customers as soon as you need to. The extended equipment library includes fuel usage, retard and rimpull curves, and other parameters that affect equipment productivity. This extra level of detail ensures that your sales and engineering teams can quantify and demonstrate the benefits of your equipment over your competitors.

Better Relationships

SIMULATE lets you build better relationships with your prospects and vendors. Your application specialists can build performance data into the tool so that your sales team is armed with accurate information. SIMULATE helps to answer your customers' questions:

"Will I have interaction problems with my current fleet and the new equipment?"

"Should I separate different trucks in my fleet to stop them bunching?"

"Should I make this one-lane haul road two lanes wide?"

"Should I tip directly into my trucks or tip to an ore pass?"

These are all questions that SIMULATE can answer and show graphically in a 3D model.

Your team will be set to better understand what sets your equipment apart and how it can support your customers to advance their operation.



Consistent Results

Be assured that simulations completed for your customers are done in a consistent manner. Your customer support network will all follow a consistent approach no matter where they are working. Updates to equipment and reports are distributed to users seamlessly so that they are always working with the most up to date equipment assumptions and report templates.

Market Intelligence

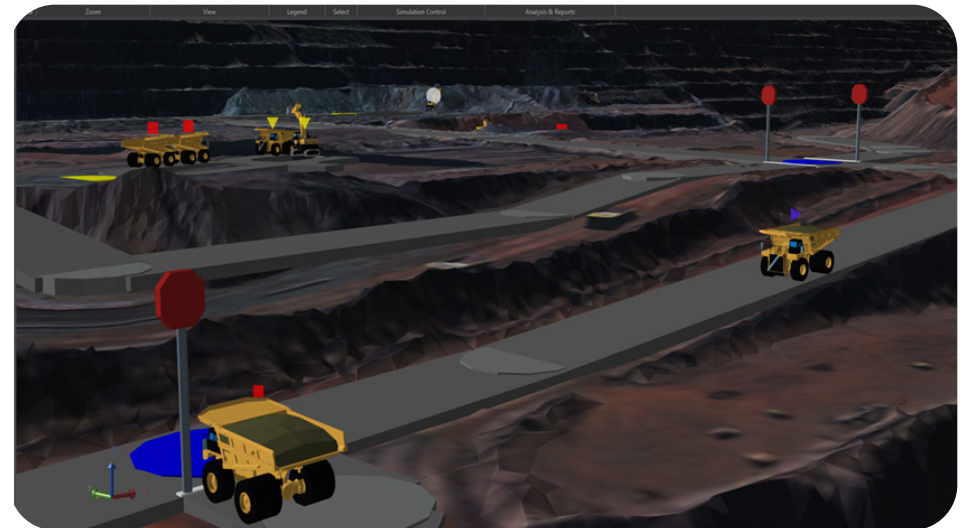
SIMULATE comes with the largest publicly available equipment library and includes equipment from every manufacturer. The equipment library is updated regularly so that it is always up to date. Having this information available means that it is quick and easy for users to understand the key points of difference between your equipment and the competition. Users can highlight the strengths of your equipment in detail with the customer.

Fast Turnaround

The simple and intuitive user interface helps users turn around simulations very quickly. Haul networks can be built instantly using GPS or many other common design formats. Users are able to sit with a customer and involve them with the model build. Before leaving your customer, you can leave them with a professional report that details the results of the simulation and all of the corresponding assumptions.

Control

Using SIMULATE it is much easier to control the information that your customers are receiving about your equipment. Customer report templates are stored centrally in different formats and languages to cover every customer engagement. Updating the content, or look of a report is simple, so they can always be kept looking good. It is not expected that every sales team will know exactly how your equipment will perform under any circumstances. With SIMULATE, your application specialists can build performance data into the tool, so that your sales team is armed with accurate information. Before new equipment is available to market, you can put it into the hands of your team to be SIMULATED and keep them on the front foot. The team will then be able to understand what sets the new equipment apart from your current offering and equipment offered by your competitors.



RPMGLOBAL

**For almost 50 years
RPMGlobal has been
Advancing Mining with
advice and technology
solutions that provide
a step-change to the
accepted process.**

Guided by our underlying principles of mining expertise, innovation and sustainability, we strive to create safer, more efficient and more sustainable operations for our customers. Our focus on providing advanced mining technology, together with deep domain expertise across the mining lifecycle enables us to guide customers through the current and emerging challenges being faced by the industry worldwide.

For more information visit
rpmglobal.com/product/simulate/