Trusted by the mining industry for its accuracy and independence, TALPAC is a simulation tool for evaluating the efficiency, productivity, and economics of truck and loader haulage. TALPAC is the mining industry’s leading haulage and loading simulator and is used by mining companies globally to simulate a truck and loader fleet over a haul route. Using proven logic that models real haulage situations, TALPAC enables users to study the measurable factors that affect productivity, and how fleet will react to them.

**Benefits**

**Minimise Haulage costs through fleet optimisation**
TALPAC calculates equipment productivity over operating hour, shift, per year, calculates travel time over the haul route, time to load a truck, wait time of loader (while waiting for truck) and average queue time for trucks. It does simulation of the fleet, can simulate different types of loading (single sided and double sided). It can optimise the truck fleet based on user selected parameters.

**Scenario analysis**
Small changes in productivities can have a large impact in long range plans so once determined, equipment productivities can be brought into financial modelling and scheduling packages for scenario analysis. Information from TALPAC allows you to determine the best equipment scenario for a given planning horizon.

**Effectively compare your fleet options**
Look at the sensitivity of equipment productivity to various parameters within a haul system, such as varying ramp length and optimal truck numbers with each incremental ramp change. TALPAC can automatically generate a set of results based on changed parameters. All results from every run are stored so you can review previous calculations.

**Minimise fuel burn**
Predict the impact of your planning on fuel consumption. Calculate fuel burn based on the proportion of available rimpull force that is used.

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Investigate your options. Build your fleet. Accurately forecast future productivity. Reduce risk and uncertainty, and improve your operations.

Run full simulations
TALPAC takes into consideration the variability of critical truck and loader parameters involved in productivity calculations. Full Simulation is carried out over a number of shifts, with events occurring as dictated by the haul cycle. TALPAC uses stochastic variables to ensure that you get the most realistic simulated results for your fleet.

TALPAC is used by 4 out of the Top 5 mining companies in the world.
Features

Simple, easy to use interface
Get the results you need quickly with minimal training and implementation costs. Most users are up and running in days.

Largest publically available equipment library
TALPAC’s comprehensive equipment database of trucks, loaders, scrapers and underground equipment includes more than 500 trucks and 400 loaders and is updated annually, directly from manufacturers. This makes it the ideal independent adjudicator of more of the mining equipment on the market.

Trusted travel time calculations
TALPAC engulfs 40+ years of industry experience to deliver best practice simulation for miners, consultants and OEMs.

TALPAC is key for evaluating the efficiency, productivity and economics of mining fleet.

Enterprise Planning Framework

Enterprise integration and collaboration will deliver the operational improvements mining companies need to realise the next wave of productivity improvements. Whilst most mining companies have realised value implementing an integrated strategy in their Corporate functions, such as finance and HR, they have not extended this to their Technical Mining Operations (TMO). Consequently the TMO is a complex web of point solutions, data sources and silos that delivers complex structures and inadequate functional collaboration.

RPMGlobal’s Enterprise Planning Framework (EPF) is a strategic platform that consumes and exchanges data from multiple sources including ERP, Business Intelligence (BI) tools, mine planning and command and control fleet management systems (FMS). It supports management processes, eliminates reliance on disconnected spreadsheets, individual departmental point solutions and fragmented BI technologies. Integrating the data delivers timely decisions-making as well as greater communication and visibility across the mining operations.

Customisable Reports and Outputs

Get results exactly as you need them with flexibility to choose your import and output fields for reporting. You can break down the haul cycle into many segments, allowing you to report on each segment individually. This allows you to identifying where the critical segments are in a haul cycle.

Report on:
- Haulage cycle time
- Productivity of the fleet
- Optimal fleet size
- Operating cost and discounted average cost
- Sensitivity analysis.
About RPMGlobal

RPMGlobal is the global leader in the digital transformation of mining. We provide data with context, transforming mining operations. Our Enterprise approach, built on open industry standards, delivers the leading digital platform that connects the systems and information and seamlessly, amplifying decision-making across the mining value chain.

RPMGlobal integrates the planning and scheduling, with maintenance and execution, with simulation and costings, on RPM’s Enterprise Planning Framework, the mining industry’s only digital platform that delivers insight and control across these core processes.

RPMGlobal’s Advisory Team advise the global mining industry on their most critical issues and opportunities, from exploration to mine closure. Their deep domain expertise, combined with their culture of innovation, and global footprint, ensures our mining customers continue to lead.

RPMGlobal is the global leader in Enterprise mining software, Advisory services and Professional development who operate offices in 23 locations across 13 countries and have worked in over 118 countries.

For more information visit rpmglobal.com or email info@rpmglobal.com.