
RPMGLOBAL
Open Cut Phosphate Solution
OCPS
730E
50
HT50

RPMGlobal (RPM) redefines mine planning and scheduling. It is the new benchmark and the only solution purpose built for the mining industry. There is no other solution that can match the 45+ years RPM have focused on to deliver the industry standard today.

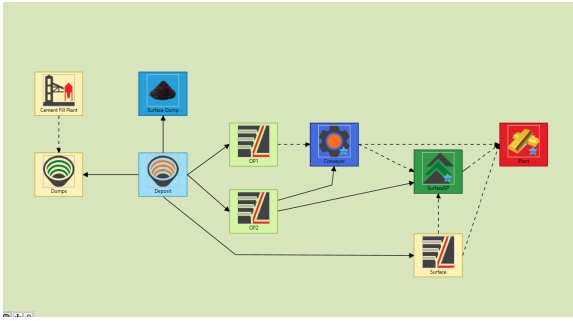
Underpinning RPM's Open Cut Phosphate Solution (OCPS) is a powerful scheduling engine that does all the heavy lifting without compromising sophistication and capabilities. From an individual site through to multi-site and global operations, the parametric approach adopted by OCPS means Engineers can amplify their decision-making process. This embedded intelligence, together with our intuitive user interface, increases mine productivity and provides rapid ROI with a solution that is scalable, intuitive and fast to learn.

OCPS is the only Enterprise Planning solution that complies with industry standards and aligns to ISA-95 delivering true collaboration across the mining value chain.

## Benefits

**Intuitive Mining Rules**
With OCPS, mining rules are spatially aware and provide control over the tasks that can be performed in proximity to one another. Combined with the detailed modelling of the ground handling system, from ore passes, rail networks, crushers and shafts, it is easier and quicker for users to see the constraints these impose on production.

**Development Prioritisation**
OCPS is ideal for long term analysis of scenarios but it can be fined tuned for shorter planning cycles. First it identifies the ideal stoping sequence, excluding development, and then it works out the development priority in order to expose the stopes in the correct order. It automatically controls development sequencing with full control over intersection behaviour, heading priority and maximum advance rates.



**Production & Backfill Rate Profiles**
Users can rely on realistic and achievable schedules throughout the entire mining process. OCPS fully schedules placement of engineered backfill and development waste into stopes, with allowance for high strength plugs, mixed fill types and mixed curing rates. With in-built production rate profiles, users can adjust the production rate at any given point of the mining sequence. Production in each stope can ramp up to a maximum rate then drop back for final remote loading. The filling rate of stopes can be automatically throttled back when filling past barricades.

**Integrated & Dynamic Haulage**
Never miss an opportunity because a schedule was constrained by old, redundant development sequences. Multi-directional haulage is fully supported so the software pre-determines the direction of mining. Also two pass scheduling helps users to generate schedules that achieve maximum production levels at the lowest cost. It overcomes the current cumbersome and time-consuming manual approach available in today's underground mining planning solutions.

**Intuitive, Practical Scheduling Rules with a Process Driven UI.**
With a process driven workflow that's 100% script free, Solutions are fast to implement and even faster to learn. The mining rules, targets and objectives used to control the schedule have been tailored for specific commodities and mining methodology, ensuring optimal schedules that are both practical and feasible.

The sequential steps that form the scheduling process eliminates the need for complicated scripting and costly consultants. Rather than complex menus and options hidden within deeply nested dialogues, the repeatable process provides every option exactly when are where required. Whether they last used the solution yesterday or six months ago, planners will be up and scheduling in no time.

**Fastest Scheduling Engine**
Solutions automated reserving not only rapidly builds scheduling reserves from geology and design but it supports massive models whilst still building scheduling databases automatically.

It doesn't matter if there is one mine or many mines, and if each mine has several pits, a shaft or a combination, the robust data modelling that underpins every solution ensures detailed practical schedules can be generated efficiently and rapidly. With one planning solution, you can be confident a robust, consistent approach to planning is adopted across all sites.

**Big Data**
Regardless of where data is sourced, Solutions read it in its native format without the need for translations and manual manipulation. The parametric, process-driven approach adopted by our solutions make it easy to re-align production schedules when key underlying data changes. Whether it's an updated geological model, a new pit design or a revised dumping permit, it's easy to incorporate the new data into the schedule.

**Multi-scenario analysis**
With their intuitive, process-driven user interface, highly automated mining rules and extremely rapid scheduling speed, Engineers can focus on delivering value knowing the solution has the mining logic covered. You are no longer forced to accept the best option the planner can produce manually in the limited time available. Our scheduling solutions give Engineers the opportunity to explore alternative 'what if' scenarios and truly understand how best to drive the mines production in changing market conditions.

**Dynamic Scheduling**
Solutions allow both manual interactive and automatic scheduling techniques in the same schedule, giving Engineers the flexibility to work in detail, when required, and let the speed and power of auto-scheduler take over the more tedious tasks. And whether the users schedules manually, automatically, or with a combination of both techniques, advanced destination scheduling automatically manages the movement of waste to dumps and the Product Optimiser finds the best way to process the ore and manage any stockpiles.

**Integrated Product Optimiser**
Always meet product targets and qualities. Automatically find the best way to process, blend and stockpile mined materials to maximise the value of one or more products. Unlike other mine planning solutions, XPAC Solutions is the only scheduling solution of its kind that can compare and optimise such complex options, ensuring the optimal mining decisions are realised, enabling users to identify the most cost-effective scheduling and extraction sequence.

**Only Fully Integrated Scheduling Processes**
Solutions manages the entire scheduling process within one application. It has destination scheduler and haulage modelling integrated as part of the process. It is possible now to simultaneously schedule mining and dumping as part of the schedule. It also means detailed haulage modelling of every movement in the mine is captured providing a true reflection of what is happening onsite. Combined with RPM's equipment library, users can now compare schedulers with a range of different haulage configurations, which is all underpinned by RPM's simulation technology which is relied upon by most of the major OEM's.

**True Enterprise Mining Solution**
Solutions capability to digest data from any software application across the mining value chain, together with RPM's Enterprise Planning Framework (EPF), makes it the only Enterprise-enabled software application in mining. It seamlessly can integrate with financial systems, ERP's and Fleet Management Systems to deliver one truth.

# INTELLIGENT SCHEDULING

- Open Cut Coal Solution
- Underground Coal Solution
- Steep Coal Solution
- Open Pit Metals Solution
- Underground Metals Solution
- Open Pit Diamond Solution
- Oil Sands Solution
- Quarry Solution
- Stratigraphic Metals Solution
- Open Cut Phosphate Solution
- Underground Diamond Solution

XPAC SOLUTIONS

## 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.**