

Announcement

Update on Intelligent Design Product – Underground Metals

24 October 2019

Further to the previous ASX announcement dated 6 March 2019, RPMGlobal Holdings Limited (ASX: RUL) [RPM ®] is pleased to confirm the official unveiling of its Underground Metals Solution (UGMS) Optimiser edition for mine planning customers.

UGMS Optimiser marks the first edition of RPM's agile design software offering which is fully integrated with the company's market-leading enterprise solutions.

RPM's agile design application uses parameters and automatic design tools to build an optimal mine design for users. The time saved by using automatic design tools facilitates the ability for multiple alternative designs to be generated for consideration by a mine design user. The user similarly changes whatever parameters they want and then re-runs their model to generate the optimal mine design based on the new parameters.

Commenting on the launch, Chief Executive Officer Richard Mathews said "he was proud to announce the release of RPM's first design solution which is in keeping with the company's mission of delivering innovative end-to-end enterprise solutions for miners."

"At RPM, we are looking at design differently. We have leveraged the most advanced technologies including the very latest parametric design capabilities that support rapid scenario generation, long-term planning and optimal mine design for our customers. This ensures miners continue to drive efficiency and productivity improvements in a visually orientated environment."

"While our design solutions will initially be offered to UGMS customers of RPM's XPAC Solutions software, we are looking forward to rolling out additional design capabilities that extend across our enterprise architecture in the near future."

UGMS Optimiser incorporates discrete optimisation tools used in underground metals mine design all in one solution.

This integration enables users to rapidly understand the impact of changes to key economic drivers such as metallurgical grade, mining costs, revenue, forex, and the roll-on effects these have on accessing the mineral deposits to be mined.

This new design solution uses RPM's Development Optimiser, an industry first combination of Planar Underground Network Optimiser (PUNO) and Decline Optimisation Tool (DOT) solutions to determine the most economical network of tunnels to access and extract ore on each level of the mine.

Development Optimiser combines both tools in a parametric manner allowing a diligent and extensive analysis of the deposit based on realistic constraints. The solution also uses Mine Stope Optimiser (MSO) to produce the stope shapes and stope inventories from a block model that spatially represents the location of the mineralisation.

Depending on the size and mineral variation in the orebody or orebodies, using a manual process of generating the mining shapes to maximise the recovered resource value can take months. MSO has taken this manual process of generating the mining shapes based on the deposit size, shape and maximising recovered resource value, and reduced it down to days.

Other key features, such as direct integration with the scheduler and enterprise solution, automated development creation and high-level financial analysis of the optimised outcome differentiate RPM's design offering from other design tool offerings available in the market which are not enterprise connected.

Mr Mathews concluded by saying "We are the first company to combine and incorporate the three big underground optimisers (Stope Optimisation, Underground Network Optimiser and Decline Optimisation) into one enterprise enabled design product which is a game-changer for the industry. The value of the results this

product will produce through the ability to quickly evaluate multiple mine design scenarios to achieve profitable outcomes and the time it will save will be a true differentiator from the existing tools in use in the industry. However, it is just the beginning as we continue expanding our design solutions to complete our end-to-end enterprise offering which spans Scheduling, Simulation, Finance, Maintenance, Operations and Design.”

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About RPM:

RPMGlobal Holdings Limited (ASX: RUL) [RPM] is a global leader in the provision and development of mining software solutions, advisory services and professional development. With history stretching back to 1968, RPM's experienced global team are the largest publicly traded independent group of technical experts in the world.

Listed on the Australian Securities Exchange on 27 May 2008, RPM is a global leader in the provision of software solutions, advisory consulting and professional development solutions to the mining industry. We have global expertise achieved through our work in over 118 countries and our approach to the business of mining is strongly grounded in economic principles.
