

Announcement

RPM Haulage Simulation Electrification Update.

6 May 2021

RPMGlobal Holdings Limited (ASX: RUL) [RPM®] is pleased to provide a further update to the market on its progress to deliver electrification within its Haulage simulation solutions SIMULATE and HAULSIM.

As detailed in the prior announcement on 23 February 2021, RPM is already engaged with a global tier one miner to simulate the benefits of haulage vehicle electrification within their mining operation and has completed haulage electrification studies for a major mining company in Australia and for a client in Indonesia.

The studies assessed the implementation of electric haulage systems via application of hybrid diesel-electric, trolley assist and fully electric battery technologies leveraging RPM's haulage simulation software, HAULSIM.

HAULSIM is a Discrete Event Simulation (DES) tool which enables the user to build a digital twin of any mining operation to evaluate different haulage scenarios. With a calibrated simulation model, every question about changes to a haulage system can be tested, answered and quantified before equipment is purchased or works begin.

Underground operations have been leading the way in this space, driven by additional benefits from reduced ventilation requirements. This new technology also brings benefits such as regenerative braking and finding the best location for charging locations. Modelling processes, such as recharging and simulating how the operations will work is critical for the success of any operation considering electric vehicles.

Commenting on the update RPM's Chief Executive Officer Richard Mathews said, "With the industry's push to adopt a green agenda alongside operating the mine as efficiently as possible, the focus is not only on keeping costs down, but increasingly lowering carbon dioxide emissions."

"With advancements in technology and with RPM's decades of industry experience, we are pleased to be helping the industry realise the true benefits of decarbonising the haulage process. The concept of having a robust and reliable electric haulage system on site is now a viable proposition for the future of the industry."

In addition to RPM's upgraded simulation technology, RPM's Advisory division are working closely with its clients to navigate the changes in the market through studies in electrification, mine closure and fugitive emission assessments.

A major internal study completed for a tier one miner investigated the amount of trolley infrastructure required to achieve sustainable electric haulage using battery powered dump trucks and employing trolley assist systems. RPM's robust analysis was able to prove the efficacy of the electric haulage system based upon a suite of proven technologies. Highlighting the broader industry focus on sustainability, RPM has seen more clients requesting modelling of greenhouse gas emissions in mining trade off studies as part of identifying the preferred development profile.

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About RPM:

RPMGlobal Holdings Limited (ASX: RUL) [RPM®] was listed on the Australian Securities Exchange on 27 May 2008 and is a global leader in the provision and development of mining software solutions, advisory services and professional development to the mining industry.

With history stretching back to 1968, RPM has been trusted by mining companies of all sizes and commodities

to support their growth. Our global expertise has been achieved over the past 50 years through our work in over 125 countries and our approach to the business of mining being strongly grounded in economic principles.

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