

**FOR RELEASE**

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**Latest software release from Maptek supports 19,000 Vulcan users**

New and enhanced features in Maptek Vulcan 11 target the productivity and efficiency gains that operations desire as mining activity ramps up.

The enduring relationship between Maptek and 19,000 Vulcan users is maintained through continuous improvement in our software functionality and performance, underpinned by technical know-how and professional support.

Miners are hard-pressed to find a more committed technology partner than Maptek when it comes to provision of automated functions and workflows, high impact visualisation, fast processing and efficient handling of large, complex datasets.

Announcing the [Vulcan 11](#) global release today, Maptek Managing Director Peter Johnson said Maptek has made its mark with practical, intuitive solutions around aspects of technology that are important to mining stakeholders.

'We've racked up 37 years of feature-packed Vulcan releases and we're not stopping anytime soon.'

'Alongside new functionality, we have built exceptional visualisation tools to help users analyse their data. The insights gained translate into better business decisions,' added Johnson.

Enhancements delivered in Vulcan 11 add to an already outstanding suite of essential design and modelling tools.

Take geostatistics as a good example of a specialist application where Maptek leads the field. A comprehensive range of statistical approaches helps streamline comparison of multiple scenarios. Impressive data visualisation enhances understanding of the data and refines interpretations.

New functionality in Vulcan Data Analyser and the introduction of Kriging Neighbourhood Analysis (KNA) in the grade estimation workflow is exactly what customers want in a dedicated geostatistics application. KNA is fast and intuitive to set up and run, and the optimised KNA settings can be fed directly into a grade estimation run.

Resource geologists will be immediately adopting these new options to automate workflows for estimation and simulation.

Mine planning updates in Vulcan 11 focus heavily on greater efficiency in reserving and preparing data for scheduling. Engineers can take advantage of improved flexibility in ramp design when creating highwall templates, including the ability to incorporate multiple ramps.

Open Pit Solids and Mining Block Generation enhancements tighten the connectivity between mine planning and scheduling. The workflow-based approach for strip mines ensures reliable output applicable to all Maptek mine planning and scheduling solutions.

Mining block generation employs a simple, repeatable process, while maintaining flexibility for easy updating when running calculations. Users can select any accumulation variable, such as *in situ* metals or volume, to apply as a target. Dynamic adjustment of blocks allows solid and attribute modification on the fly.

Smarter tools that perform faster are the most effective way to increase efficiency. Customers are experiencing dramatic improvements in outcomes due to increased speed for resolving samples in grade control and the ability to use Perl and Python scripts in grade estimation.



Grade Control Optimiser, released in 2017, is helping operations to realise the true value of their deposits. The latest update includes improvements to the core optimisation engine, which guarantees locally optimal results.

Vulcan 11 introduces an automated panel caving design process for creating 3D CAD level production and sink level mining designs. The option takes into account geometric, technical and operational parameters. Speed of design and generation of alternative scenarios for evaluation are features of the new tool that also feeds into the strategic Maptek [CaveLogic](#) application.

Vulcan users, who have had access to the Maptek Workbench for more than 12 months, will experience a smoother Workflow Editor. Improvements include linking Vulcan and Workbench menus with explorer data to easily run automations in context, drag-and-drop nodes representing each component, and the ability to save customised components to build new workflows. A new search option helps find all menu options relating to a specific term.

'We see Maptek Workbench enhancing the user experience,' said Johnson. 'The idea of running the latest versions of multiple Maptek applications in a coordinated manner is very attractive to customers. It supports their need to unify software platforms for managing technical data.'

'Maptek already provides mining specific software; what we're doing now will allow our customers to join different Maptek applications into powerful solutions that improve their business overall. This ranges from sharing data and dynamic viewing through to workflows across applications.'

Vulcan 11 and the Maptek Workbench will be rolled out to global customers this week.

## **About Maptek**

Maptek™ is a global provider of innovative software, hardware and services. Founded almost 40 years ago to service the mining industry, Maptek offers a unique combination of domain knowledge, technical expertise and engineering resources. We incorporate automated workflows and optimised algorithms to collect, analyse and circulate critical information within the operational cycle, closing the loop between planning, production and results. We develop reliable solutions that allow customers to improve safety, productivity and profitability.