

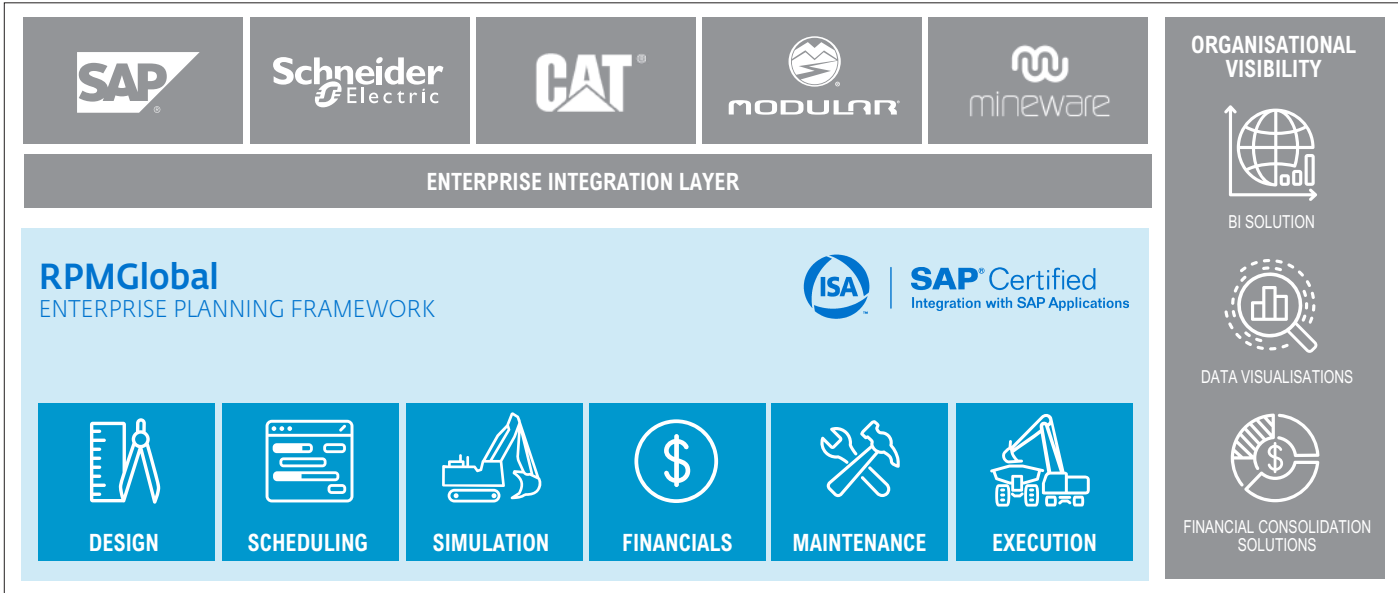
# Enterprise Planning Framework (platform)

## Connected systems and connected information leads to amplified decision making

Enterprise integration and collaboration will deliver the operational improvements mining companies need to realise the next wave of productivity improvements. RPMGlobal have recognised the power of utilising an open standards platform that enables seamless communication across different solutions to meet the individual demands of a mine

site. 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. Critical business information remains trapped in isolated systems.

RPMGlobal's Enterprise Planning Framework (EPF) is a strategic platform that consumes and exchanges data from multiple sources across the mining value chain, 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 and databases, individual departmental point solutions and fragmented BI technologies. Integrating and standardising the data delivers timely decision-making as well as



greater communication and visibility across the mining operations. This is achieved by leveraging critical data from multiple systems that sits idle in databases in today's world.

The data exchange can only be achieved through the adoption of standards. ISA-95 provides a standard definition of the data, removing any requirements from interpretation. ISA-95 is seen to hold the key to finally eliminating system integration failures that effectively prevent mining from achieving the operational efficiency that manufacturing, and many other industries, has experienced. It is an 'open' standard that creates a seamless communication protocol for data flowing between all of the disparate data silos that current exist in the Technical Mining Operations value chain. This initiative is being driven by key global mining companies and the leaders in the mining vendor system including Caterpillar, Modular Mining Systems, Schneider and RPMGlobal.

The model repository is core to EPF. It is a complete data storage repository purpose built for mine planning data. The repository allows for a range of associated metadata, version control and the ability to publish the current or approved budget information. It also enables the ability to control model workflows and logic from a central location through planning templates. Other such data such as haulage, geological design and simulation models can all utilise this repository with all data stored in its native format.

- **Data Integrity.** Creating consistent inputs/outputs between different systems across the mining value chain ensures data is robust.
- **Innovate faster.** You can add new data sources to EPF without having to accommodate the variances.
- **Actionable insights.** Rationalise the analytical tools and management systems using EPF as foundation to deliver a solution that is complete, open and integrated.

In a more practical sense, Enterprise Planning Framework has the ability to work with any open enterprise resource planning solution such as SAP, Ellipse and Pronto. This gives customers the benefits of integration whilst understanding their need for flexibility when managing their unique mine site. The enterprise integration framework's open standards allow for seamless communication, irrespective of the vendor or application and enables true value chain optimisation in mine planning and scheduling processes.

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## Conclusion

The digital era has provided the mining industry with the opportunity to experience unparalleled gains in productivity, safety, efficiency and profitability. Tomorrow's 'digital mine' can only be achieved by enabling an enterprise approach across the entire mining operation. The data cannot be stored

in separate desktop solution siloes. Instead, this big data should be harnessed by a single enterprise wide framework. RPMGlobal's Enterprise Planning Framework is the only solution for mining that can bring data together seamlessly and provide one source of information, and one version of the truth.

By breaking down the siloes that currently exist, RPMGlobal are able to deliver data with the context and richness it needs to give users the ability to make decisions, with certainty, and unlock the true potential that the digital mining era promises.

## 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.

RPM'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.

RPM are 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.

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