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ERP Systems in Mining Industry

Nowadays one of the major competitive advantages in business is to make the supply chain of products and services faster. Business organization can do it with the help of a better strategic technology planning and incorporation of Information Systems to manage this process more effectively and efficiently. One of the best alternatives of those information systems today is Enterprise Resource Planning (ERP) system. ERP system is customizable, standard application software which includes integrated business solutions for production planning and control, warehouse management and the main administrative functions of an enterprise, for example, accounting or human resource management. During the 90s ERP systems were the major business generators for a sector of information technology. And nowadays more companies are paying their attention to improve advantages of this system also to develop modern, suitable ERP software for all fields of business.

Efficient process management is integral to the success of any mining operation. As market competition increases, mining organisations are increasingly using Enterprise Resource Planning software to manage their operations. A suitable ERP system will not only provide the functionality, but also establish the security and data integrity of mining processes. Mining companies are extensively utilizing ERP system to exploration, land allocation, work in remote locations, production and supply of end products. Also ERP systems establish, manage and control sound business structures. This helps for managers and frontline staff to control tasks like purchase, order processing, inventory management, human resources, asset maintenance, financial management and much more.

ERP software is generally considered to be of critical importance to fully optimise the efficiency and productivity of any mining operation and have complete access to all operational data. So, from initial exploration, to full mine operation, an ERP system allows managers to integrate, manage, control and report on every process in business. In the transition from being an explorer to operating a developed mine, the number and complexity of business processes significantly increases.