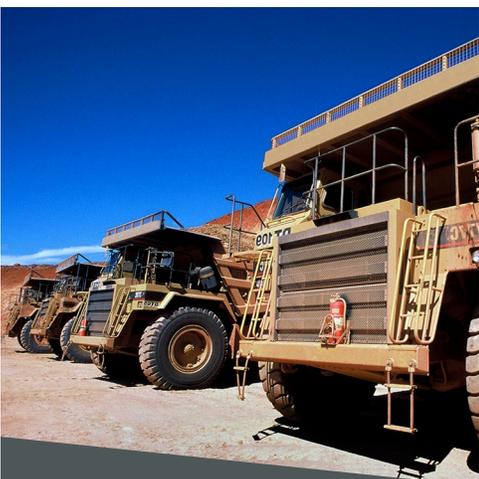Mining construction projects often feature multi-year durations, continually evolving designs, complex and expensive equipment and volatile commodity prices. In such a high-risk environment, owner/operators, EPCMs and contractors face immense pressure to implement tight controls around their capital and maintenance projects.

Mining companies can increase profitability and minimize cost and risk with InEight software for model-based construction, estimating, project control and field mobility. The integrated InEight solution suite helps planners and engineers create accurate estimates and budgets, track changes, control costs and keep equipment in production. With InEight, managers can leverage real-time information to make more informed decisions and maintain better visibility and control throughout the project lifecycle.

"It's very easy to manage our global operations because everything is in one place, everybody gets access to the information they need when they need it."

- Shawn von Doeler, Information Technology, Redpath

Deliver Project Certainty

Mining owner/operators, EPCMs, and contractors use InEight solutions to:

- **Develop more accurate budgets and estimates** for projects as they move through the gating process, helping them remain within accepted tolerance levels
- Implement a system to assess **changes, contingencies and escalations** to help protect margins during project execution
- **Utilize project funds more effectively** and minimize the impact a bad project can have on other initiatives
- **Control the construction process** for rapidly-changing projects with ever-changing risks

- Coordinate procurement, manufacturing and installation of complex and expensive equipment to **minimize downtime**
- Plan and schedule resources to **optimize productivity**
- **Beat critical project deadlines** that, if missed, can cost millions in lost production revenue
- **Capture must-have information** throughout the project lifecycle to ensure regulatory compliance and enable informed maintenance activities for the life of the facility

Drive Best Practices

InEight solutions feature a common integrated platform and robust capabilities to drive best practices throughout the project lifecycle.

Design

- Integrate mine plans and BIM models with schedules, costs and construction workflows to help visualize successful project outcomes
- Identify design issues earlier
- Create material requisitions directly from design models
- Enrich BIM models with information captured during project execution like maintenance data, warranty information, procurement information and more

Estimating, Budgeting and Work Planning

- Build accurate and consistent cost estimates and budgets for capital and maintenance projects, using multiple currencies and resource rate libraries
- Benchmark against cost and productivity data from prior, similar projects

- Create time-phased cost estimates via two-way integration with scheduling systems
- Develop detailed work plans using templates, norms, previous project histories and detailed equipment cost models
- Manage budget revisions and estimate changes as projects evolve
- Easily determine cost escalation across multi-year projects

Project Execution

- Keep estimate, schedule and ERP systems aligned across the project lifecycle for improved visibility and control
- Drive forecast accuracy by incorporating performance trends, new expectations and bottom-up re-estimates
- Implement a system with change order tracking, contingencies and escalations to protect margins

- Develop accurate earned value reporting and monitoring of costs, production and time
- Spot cost variances early to stay within required performance goals
- Replace error-prone spreadsheets with an auditable control system
- Simplify commitment and procurement processes by establishing cash spend for material, equipment and resources
- Track budget changes and immediately evaluate their impact on cost and schedule
- Capture information at work locations, including work hours for internal and contractor labor, work progress and inspection results and notes
- Help maintenance technicians receive and prioritize work orders, address defects, record work completed, update repair status and report hours worked
- Easily produce and distribute earned value and other project status reports