source: unsplash.com

Mining is a key industry in Australia, but it involves many potential risks. Playing a vital role in the national economy, coal mining presents inherent dangers to people and the planet. With higher rates of work-related injuries and environmental impacts, the need for robust safety measures within the sector has never been more apparent. In the dynamic and exciting world of mining, creating a culture of safety and efficiency is imperative for ensuring worker well-being and for maintaining a secure, productive business. Below, explore how asset optimisation can drive better safety outcomes for coal mining companies.

Asset Performance Management in Mining

Asset performance management is used to optimise how physical assets perform – including machinery, equipment and infrastructure. This is done to improve reliability, maintainability and availability while simultaneously minimising costs, maximising value and driving better safety outcomes.

This is done by implementing best practices in mining, including monitoring, analysis, technology and maintenance. It also includes the identification of risks and ongoing management strategies.

As asset performance management is going, it has been proven to assist in the optimisation of performance, safety, productivity and profitability of the mining industry.

Empowering Safer Mining with Asset Optimisation

Companies in the mining industry continuously face the same challenges. These include equipment downtime, high maintenance costs and safety risks. Such issues have the power to negatively impact operational productivity and profitability. However, advanced asset optimisation has been proven to help companies overcome these limitations. Some measures include:

Hazard Assessment

Asset optimisation utilises a holistically integrated eye to view business operations. Identifying shortcomings and finding ways in which to increase efficiencies is at the core of optimisation and management. When it comes to increasing safety standards, companies can take an analytical view to mitigate potential hazards. After the hazard assessment has been completed, a plan can be created. A hazard minimisation plan includes vital steps and insights such as the nature of the principal mining hazard, a description of risk control methods and employee training.

Real-time Incident Reporting

A company can achieve safer operations with real-time incident reporting. Asset optimisation software that features reporting technologies will allow mining companies to instantly flag safety incidents. This facilitates quick intervention and subsequent resolution. Streamlined incident management processes ensure that safety standards are maintained on an ongoing basis.

Asset Maintenance

Asset optimisation can monitor asset status and performance capability to predict when it is likely that an asset will fail. This means that companies can predict when an asset will not be operational so that they can schedule maintenance during system downtimes and avoid any significant disruptions or risk-averse failures in their operations. Ensuring that equipment is always operating at the highest capacity mitigates risk through the minimisation of operational failure.

If you are interested in implementing best practices for maintenance, analysis, safety, monitoring and operational efficiencies to achieve optimal performance in your business, contact Berg Engineering.