

CAPABILITY STATEMENT

SUBJECT

# Quarry Closure

MARKETS

Feasibility and Mine Planning | Mine Operations | Mine and Quarry Closure  
Rehabilitation, Monitoring and Research

ISO

9001:2015 | 14001:2015 | 45001:2018







## Quarry Closure

Quarry closure is a dynamic roadmap, and the closure strategy and plan must adapt to the evolving life cycle stages of the quarry. Its precision, relevance and transformation are vital for maintaining community acceptance and a social license. Quarry closure evolves progressively, becoming more intricate and comprehensive as the quarry approaches closure.

This evolution guarantees that the adopted strategy and plan reflect current conditions, incorporate technological advancements, meet regulatory requirements and address community and stakeholder concerns. Progress updates, collaborative stakeholder engagement and a holistic approach are imperative for maintaining an effective quarry closure plan that contributes to responsible extraction by achieving closure objectives and sustainable development.

The closure strategy and a comprehensive closure plan serve as public representations of your commitment to complying with regulations, reducing ongoing environmental liabilities, mitigating negative impacts, protecting the health and well-being of people and maintaining the level of dependence from communities.

Quarries are often situated near urban development and, therefore, present unique social and environmental challenges such as land degradation, loss of top soil, vibrations and noise, air and water pollution. We specialise in developing the right strategy for sustainable closure plans that foster enduring value while addressing these complexities. Our focus on sustainable development ensures implementation of practices that align with industry standards and environmental and social responsibilities, promotion of harmonious coexistence with urban areas and creation of lasting value for future generations.

## Key considerations

1. **Precision and relevance:** Maintaining accuracy and relevance in the closure plan to uphold community acceptance and a social license.
2. **Progressive evolution:** The plan should become more intricate and comprehensive as the quarry approaches closure, reflecting current conditions and incorporating technological advancements.
3. **Regulatory compliance:** Meeting regulatory requirements and addressing stakeholder concerns to ensure responsible extraction practices.
4. **Alternative future land uses:** Engineering of the environment to create alternative future land uses that promote sustainable development and provide enduring value.
5. **Continuous improvement:** Implementing continuous improvement initiatives and transparent practices to adapt effectively to changing circumstances, technological advancements and regulatory standards.



## Approach

Our approach involves engineering the environment to create alternative future land uses that can transform the site into wildlife reserves, recreational parks or community spaces. This approach results in sustainable development that promotes biodiversity and provides community benefits.

We are dedicated to sustainable development as evidenced by our approach that leverages advanced technologies for environmental monitoring, data analytics and predictive modelling. This approach enhances our closure strategies, drives positive environmental outcomes and creates lasting value. Our continuous drive for innovative initiatives and transparent practices enables us to adapt effectively and efficiently to changing circumstances, technological advancements and regulatory standards. This approach enables our clients to implement economic, safe, environmentally-considerate and sustainable practices beyond closure, which in turn enhances their reputations as socially-responsible operations.

## Outcomes

Engaging SGME to develop your quarry closure strategy, closure plan and associated requirements will enable a safe, sustainable and personalised solution for your quarry operations. The outcome of our solution will address unique quarry closure challenges, facilitate a productive and sustainable after-use of the site, ensure regulatory requirements are met and support implementation of responsible practices.

We will navigate complexities, prioritise compliance and stakeholder involvement, and incorporate sustainable principles for long-term viability into the finished product. Through the integration of alternative future land use strategies, we will enable you to leave a positive legacy and foster sustainable development.

## Working with SGME

Engaging SGME as a collaborative partner delivers numerous benefits:

- **Improved return on investment (ROI):** Our expertise maximises ROI to satisfy investor expectations.
- **Reduced mine closure risks and disruptions:** Our strategies minimise complex closure risks to ensure a smooth future land use transition.
- **Addressing environmental, social, and governance (ESG) risks:** We focus on ESG criteria to mitigate environmental impacts and meet regulatory standards.
- **Enhanced strategic insight:** Collaboration boosts your performance through strategic planning.
- **Industry collaboration:** We foster partnerships with mining experts, staying abreast of technology and regulatory advancements.
- **Future risk vigilance:** Our proactive approach anticipates future risks to aid informed decision-making.
- **Innovative solutions for safe execution:** Our expertise delivers innovative solutions to ensure safe execution.

Our proactive and ethical approach ensures adaptability, sustainability and responsible development to safeguard the mining industry and create enduring value.

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