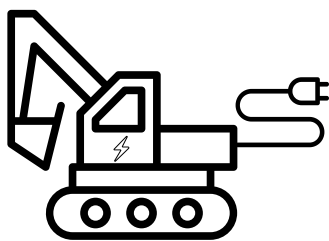


# FROM EXTRACTION TO SUSTAINABILITY

## The Evolution of the Mining Industry

The mining industry is increasingly being held accountable for its impact on the environment and local communities. As a result, mining companies around the world are implementing sustainable practices to address these concerns. This infographic highlights some of these practices and showcases examples of their successful implementation, demonstrating how the mining industry is adapting to become more environmentally and socially responsible.

### Sustainable Mining Techniques



Sustainable mining techniques involve reducing the environmental impact of mining and using resources in a responsible manner. One example is the use of renewable energy sources such as solar, wind, and hydroelectric power to reduce greenhouse gas emissions. The mining industry is also exploring the use of electric vehicles to reduce carbon emissions from mining operations.

**BHP's introduction of electric vehicles at its Olympic Dam mine in Australia has reduced emissions by 30%.**

### Community Engagements

Mining companies are working to engage with local communities to minimize the impact of mining operations. This involves supporting local businesses, providing infrastructure improvements, and creating job opportunities.



**At its Guelb Moghrein mine in Mauritania, FQM has established a community development fund that provides funding for local projects in areas like education, healthcare, and infrastructure.**

### Environmental Impact Reduction

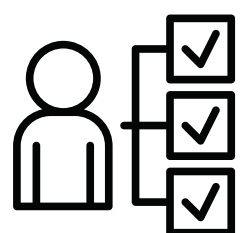


- Mining companies are working to reduce their environmental impact through a variety of measures, including minimizing waste generation and disposal, reducing water use, and minimizing energy consumption.

**One example of this is Barrick Gold's Pueblo Viejo mine in the Dominican Republic, which uses a water recycling system that has reduced the mine's water use by 50 %.**

### Ethical Mining

Ethical mining involves ensuring that minerals and metals are sourced ethically, with a focus on preventing human rights abuses and reducing the use of conflict minerals.



**Responsible Mining Index, assesses mining companies on a variety of sustainability factors, including their efforts to prevent human rights abuses and source minerals ethically.**

### Mining Certification Programs



Mining certification programs, such as the International Council on Mining and Metals (ICMM), provide a framework for measuring progress in sustainable mining practices. Companies that participate in these programs commit to meeting sustainability goals and reporting on their progress.

**Vale is a successful ICMM participant, which has implemented a variety of sustainable mining practices, including reforestation efforts, water conservation programs, and renewable energy initiatives.**

Sustainable mining practices are becoming increasingly important for the industry as a whole. Mining companies like FQM are taking proactive steps to address environmental and social concerns, while also seeking to improve efficiency and reduce costs. By implementing sustainable practices, these companies are not only reducing their environmental impact, but also building stronger relationships with local communities and stakeholders, which can help to mitigate risks and create long-term value. It is clear that the future of mining will be shaped by these efforts towards sustainability, and we should all work towards seeing continued innovation and progress in the years to come.