

Itsme BREEMES / AMR

itsme Breemes & AMR retrofit rock tumblers with SINAMICS G150

Customer Challenge

- Existing rock tumblers (block crushers) were outdated and energy-inefficient, leading to higher operational costs and limited readiness for modern Industry 4.0 integration. The machines needed a future-proof drive solution to improve performance, reduce energy consumption, and enable smarter automation.

Solution

- AMR and itsme Breemes retrofitted the rock tumblers with **Siemens IE4 high-efficiency motors** and **SINAMICS G150 frequency converters**. This upgrade modernized the drives, improved control precision, and laid the foundation for digitalization and connectivity in the production environment.

Customer benefit

- **Lower energy consumption:** Retrofit with IE4 motors and G150 drives significantly reduces energy usage compared to legacy drive setups, lowering operating costs.
- **Future-proof automation:** The machines are now ready for Industry 4.0, with drives that support modern connectivity and control strategies.
- **Improved efficiency & reliability:** Modern drive technology enhances operational responsiveness and reliability, enabling better performance under load.

