

MIXERS IN MINING

Improve mixer fleet health while simultaneously eliminating unplanned downtime with SPX FLOW Mixing Solutions aftermarket services.

Challenge

A large global mining company faced significant challenges with a fleet of aging mixing equipment at a precious metals site. The mixers, essential for their extraction process, were frequently down, causing unscheduled downtime and lengthy repairs. The original supplier of the mixer gearboxes had obsoleted the equipment, leaving the site to rely on localized repair facilities with 20-week lead times. This resulted in a dramatic increase in unplanned downtime and decreased mean time between repairs (MTBR) due to low-quality repairs and lack of OEM parts.

Solution

SPX FLOW addressed these issues by implementing its free Mixer Modernization and Reliability (MMR™) program, conducting a comprehensive health assessment of the site's critical assets. They developed a modernization plan tailored to the site's needs, reverse-engineering the obsolete gearboxes to manufacture a spare unit. This allowed the site to rotate gearboxes for repair during scheduled outages, reducing unplanned downtime. Additionally, SPX FLOW created a stocking plan for full rebuild kits, significantly improving repair quality and reducing lead times from 20 weeks to less than eight weeks. Their premium Inspect & Repair program, including CMM validation and advanced failure analysis, ensured high-quality repairs with a three-year warranty.

Result

Seven years after implementing SPX FLOW's aftermarket services, the mining company continues to use their MMR, inventory stocking, and Inspect & Repair services across multiple sites. This partnership has significantly increased the mean time between failures, reduced unplanned downtime, and boosted revenue and profits, demonstrating the effectiveness of SPX FLOW's tailored solutions.



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