

BEFORE



AFTER



CASE STUDY: MCC UPGRADE BOOSTS UPTIME IN MINING

Spark Power partnered with a leading mining and fertilizer facility in Saskatchewan to address recurring downtime and operational inefficiencies caused by an aging Motor Control Center (MCC). The existing system's outdated controls and lack of fault visibility created delays in troubleshooting, reduced operator productivity, and increased maintenance costs.



CHALLENGES

- ✓ Outdated MCC slowed operator response.
- ✓ No fault indicators, delaying troubleshooting.
- ✓ Unreliable legacy controls.
- ✓ Hard-to-source replacement parts.



SOLUTIONS

- ✓ Installed modern fault indicators for quick fault detection.
- ✓ Simplified MCC layout to improve operator efficiency.
- ✓ Upgraded to reliable, CSA/UL certified industrial controls.
- ✓ Standardized on readily available replacement parts.

KEY OUTCOMES



Improved Operational Uptime

Faster fault detection and repair minimized production interruptions.



Enhanced Operator Efficiency

Clearer controls and organized layout reduced response time.



Future-Ready System

Standardized components ensured long-term reliability.



Reduced Maintenance Costs

Reduced repairs with faster troubleshooting and fewer breakdowns.