

Cement Processing Facility Upgrades Control System Hardware

The manufacturer needed to remove the existing Bailey hardware and replace it with a new Allen-Bradley control system.



Main Objective

The manufacturer needed to eliminate obsolete control system hardware and replace it with new control system hardware while ensuring a seamless conversion to the system operation and control functionality.

Customer Results

MAVERICK helped the manufacturer meet their startup goals on time with an error-free system conversion. Additional value was added by the MAVERICK team through simplified panel wiring and quality inspection teams.

Application Description

- The customer's obsolete Bailey control system was replaced with updated Allen-Bradley hardware.
- MAVERICK provided the high level of proficiency necessary in order to eliminate issues during the commissioning phase and ensure a seamless conversion to the system operation and control functionality.
- MAVERICK team members were pre-trained with MSHA certification or equivalent prior to mobilization to site.
- MAVERICK provided an independent EH&S representative to ensure the safety of all shareholders.
- Pre-project planning and schedules were provided prior to the shutdown to optimize labor efficiencies.
- Installation services were provided twenty-four hours per day, seven days per week to accomplish project goals.
- MAVERICK provided overlapping supervision for two crews to provide optimum services to the customer and ensure project consistency and efficiency.
- Quality inspection teams were utilized to verify the accuracy of the terminations and identify any discrepancies between the panel drawings and the field marshalling strips.
- Daily progress sheets were provided in order to verify compliance with the project schedule.
- MAVERICK provided additional technical support to the commissioning team during system startup.
- During the installation of the updated control hardware, panel wiring was greatly simplified by the installation of pre-wired backplanes, which were followed up with point to point quality check sheets.
- The deep knowledge and experience base of MAVERICK's technicians, supervisors and quality inspection teams resulted in a system conversion of over eight thousand points in a two week period with zero (0) errors during the re-commissioning phase.

The MAVERICK Difference

The value provided by the MAVERICK team on the project led the customer to utilize the Technical Services and Quality Control Team well beyond the original scope and duration of the project. MAVERICK continued working at this facility in a quality control capacity as well as an urgent response team.