

Instrument Calibration & Project Execution

A leading producer of wine trusted MAVERICK to complete a major process system upgrade just in time for the harvesting season.



Main Objective

The objective of this project was to develop an instrumentation calibration and start-up plan for 150 analog and 740 discrete devices. Coordination of the calibration effort with the customer's Process Planning Group to satisfy an extremely aggressive project schedule was also a critical deliverable. Document control procedures were to be established to enable timely and accurate instrumentation maintenance and troubleshooting.

Customer Results

The MAVERICK instrumentation calibration team completed the calibration of all devices in eight weeks. No delays or shutdowns were attributed to instrumentation or calibration related issues.

Application Description

- In order to satisfy this schedule, MAVERICK developed an instrumentation calibration plan that ran concurrently with the Process Planning Group's equipment installation plan. The MAVERICK calibration team participated in all project planning meetings and coordinated the receipt and calibration of all field devices to stay ahead of the installation and construction. A critical function was identifying defective components and ordering replacements. The team then worked around the clock with electricians, pipe fitters and other construction personnel to complete the instrumentation installation and prevent costly delays. By working with installers, the MAVERICK calibration team helped to keep the entire project moving forward. The calibration team remained on site to monitor devices as part of the checkout process during start up.
- All instrumentation equipment and associated specifications, including location, manufacturer, type, part and serial number and calibration parameters were recorded in an Excel database to allow maintenance personnel quick and easy identification and set-up of new components in the event of a failure. A catalog of instrument manuals was prepared to provide additional troubleshooting and maintenance support.
- Instrument data logs were developed and maintained which included receiving, stock, calibration, location, delivery and installation for the life of the project. A catalog of device manuals was prepared and delivered to support maintenance and troubleshooting.

The MAVERICK Difference

MAVERICK worked with customer to develop an aggressive schedule in order to meet the project requirements with no impact on production.