



# Automated H<sub>2</sub>S Dosing with Manual Backup

Application Sheet #71

## SITUATION

- A customer was experiencing scavenger over-injection and production downtime. This was caused by their H<sub>2</sub>S analyzer drifting out of calibration and failing.
- There was a 4–20 mA signal from the H<sub>2</sub>S analyzer and the customer wanted to use this to automatically scale scavenger injection.

## SOLUTION

- Sirius Controls connected the analyzer's 4–20 mA signal directly to the Fusion2™ controller to automatically scale injection rates.
- Industry leading 1000:1 turndown ratio without mechanical adjustments allows for the industry's widest range of injection envelopes.
- Sirius programmed a manual override mode to maintain injection if the analyzer fails or drifts.
- Insight Connect platform allows for remote monitoring and adjustments without any need for local stroke adjustments or packing tightening.

## CUSTOMER VALUE

Precise and real-time H<sub>2</sub>S control; no spikes, no downtime, no over-injection

## RESULTS

- Precise real-time dosing minimized H<sub>2</sub>S spikes.
- The manual override ensured uninterrupted injection during analyzer downtime or failure, preventing over and under injection.

