



Automated H₂S Dosing with Manual Backup

Application Sheet #71

SITUATION

- A customer was experiencing scavenger over-injection and production downtime. This was caused by their H₂S analyzer drifting out of calibration and failing.
- There was a 4–20 mA signal from the H₂S 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
H₂S control;
no spikes, no downtime,
no over-injection

RESULTS

- Precise real-time dosing minimized H₂S spikes.
- The manual override ensured uninterrupted injection during analyzer downtime or failure, preventing over and under injection.



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