

BaxterSRT

CASE STUDY

Background

Baxter's was asked to engineer and design an improved sulphur reduction technology (SRT) system to remove H₂S in produced gas. The purpose of the new system is to help achieve efficiencies and cost savings.

Requirements

Process up to 4 MMCFD of produced gas

Discharge H₂S must be < 4 ppm

Minimal pressure drop of < 10 psi

Achieve a turndown of 5:1 while maintaining chemical efficiency

Available and active 24/7/365 unless a shutdown is planned

Compliant with state and local regulatory agencies, including SCAQMD, OSHA, Hbfd

Reduce Operator intervention and exposure

Minimize system footprint and noise

"BaxterSRT has received positive recognition across CRC for its effective and efficient treatment of H₂S.

Thank you for your excellent customer service and dedication to this project!"

-Steph Hemphill, CRC Process Engineer

Objectives



Increase operating and chemical efficiencies



Reduce current spend on operations and maintenance. Reduce labor hours and waste disposal



Create an innovative sulphur reduction solution to replace existing equipment that will meet all requirements



Ensure our solution meets and or exceeds current health, safety and environmental regulations



Collaborate with customer to ensure all requirements are met

Achievements



BaxterSRT's solution was able to increase chemical efficiencies by **90%**.



Our Customer has reported a direct savings of over **\$600,000/yr.** BaxterSRT was able to reduce 80% in operational and maintenance costs.



Our BaxterSRT solution surpassed targets. All KPI's were met and generated value to our customer.



BaxterSRT's solution was able to meet and exceed state and local regulatory requirements.



Tower technology, pump redundancy, automation, and analyzer technology improved operation and maintenance effectiveness. This resulted in enhanced worker safety and helped prevent system downtime.



BaxterSRT's automation components helped reduce workers labor hours by 57%.



Labor-hours for our customer and their contractors required for system monitoring and maintenance was reduced from 35 to 15 hours per month.

For more information or if you would like to learn how we can help you please contact

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Key Results



Increased chemical efficiencies by

90%



Reduction in Operational & Maintenance Costs

57%

Reduction of labor hours

