

Profitable Environmental Solution Pays Off

Application Sheet #55

REAL TIME **BENEFIT**

36% decrease in
methanol consumption
with an improved ESG
footprint

SITUATION

- A customer in South Texas injects methanol using fuel gas driven pneumatic pumps with manual rate controls, to prevent wells freezing off.
- Physical on sight adjustments were required whenever adjusting injection rates.
- This practice led to considerable over-injection, as the customer would often operate the pneumatic pumps throughout the winter season, regardless of changes in temperature.

SOLUTION

- The Operator implemented Sirius injection systems across twelve different locations. Each system featured a variable range of injection points, ranging from four to eleven, all of which incorporated Sirius's innovative "STACK" technology. The Sirius systems replaced 81 pneumatic pumps.
- The Sirius injection systems are equipped with temperature probes and automatically change rates based on temperature.

RESULTS

- Leveraging the automated capabilities and precision of the Sirius Injection system, the operator successfully removed the need for manual intervention and lowered chemical consumption.
- Implementation of the Sirius Injection System led to an impressive 36% decrease in methanol consumption over the 30-day trial, saving \$80,000.
- After the first year there has been zero servicing required on the systems.



- ESG benefits included:
 - Methane venting to atmosphere from the 81 pumps was eliminated.
 - Driving time was drastically decreased leading to a reduced safety risk and a reduction in fuel consumption.
 - Ancillary methanol was not unnecessarily injected into the wells, reducing downstream treatment.



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