

CLOSED LOOP CONTROL PAYS OUT BIG!

Application Sheet #26

REAL TIME BENEFIT

Autonomous local control saves \$18,000 annually on a single application.

SITUATION

- Customer was injecting a wax inhibitor chemical into a well head with a target rate of 50 L/day
- On average the over injection was 20%.
- If an operator does not have the time to locally adjust chemical pump rates or is not comfortable calibrating the pumps it is not uncommon for chemical programs to get neglected.
- The operator felt over injecting was much safer and less expensive than under injecting and causing a well failure.
- Chemical cost was \$5.03/Litre
- The target volume was 1500 Litres per month. Over injecting was close to 300 Litres resulting in unnecessary chemical usage of \$1,500 per month or \$18,100 annually.

SOLUTION

- Customer installed a Sirius Controls InSight Smart Sight Glass on a one-month trial. The InSight is a closed loop control system which provides autonomous local control at the pump, automatically monitoring the pumps injection rate, and continuously calibrating to maintain accuracy

RESULTS

- At the end of the one-month trial, the chemical provider determined the InSight was a total of 5 Litres off the monthly target volume of 1500 Litres, an accuracy error of 0.3%
- Customer reduced over injected chemical costs by \$1,480 per month on a single pump application.
- Company is standardizing on InSight for chemical savings.



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