

CASE STUDY | Cooling Scale Prevention



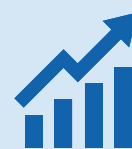
CHALLENGE

A manufacturing firm experienced high levels of scale within their cooling system, which resulted in over a week of downtime and lost production to clean and descale the system.



SOLUTION

Watertech recommended Polydose, which uses an inert PTSA tracer to verify product feed rate and a tagged polymer to monitor system performance. Both are continuously measured by an inline sensor, allowing rapid detection of process upsets. In this case, PTSA levels remained stable, confirming the product feed rate was correct, while tagged polymer levels dropped, indicating a potential system issue rather than a fouled sensor. Handheld testing verified the sensor was functioning properly, and further investigation revealed water hardness levels were five times normal due to a failed softener valve. Watertech's pretreatment team repaired the softener, and tagged polymer levels returned to normal once the issue was resolved.



RESULTS

Watertech's Polydose product, plus continuous monitoring of the system, meant quick detection of the upset and quick response by our in-house pretreatment group. The facility avoided a costly system shutdown that would have resulted in over \$2M in lost production.



TOTAL SAVINGS

\$2 Million +

Watertech's Polydose™ line of tagged polymers is engineered to give industrial and commercial cooling systems a new level of visibility and control.

**More than a
water treatment solution.**

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