

## RECORDED BENEFITS

- 57% decrease in antiscalent consumption
- \$200,000 savings in antiscalent per annum
- >\$1 Million cost savings per annum with improved plant operation

## West African Gold Mine Achieves Significant Operational Savings via Zalta Antiscalant Program

Zalta™ MA11-630 and Zalta™ MA11-751, OnGuard™ 3S

### Customer Challenge

A gold mine in Burkina Faso was experiencing significant scale build up on the mine – leading to downtime with cleaning and parts replacement. Due to scale blockage, the mine experienced massive failures of the absorption, desorption and refining (ADR) columns, which led to production losses at the mine.

### Recommended Solution

Solenis' local experts installed 15 mining scale coupons in key areas on the mine – replacing the inappropriate strip coupons placed by the incumbent. Solenis also installed their patented OnGuard 3S analyzer, which measures real-time scale build up using ultrasonic probes.

Solenis spent two weeks installing a centralized Zalta MA11-630 dosing system for the ponds and heap leach, plus a satellite Zalta MA11-751 dosing system for the elution circuit. The installation required over 1,700 metres of dosing lines.

### Results Achieved

Since the application started, no scale has been observed. The dosing has been optimized by both Solenis and the mine operators. Not only is the mine now running without scale issues, the mine has also seen a 57% decrease in antiscalant usage resulting in over \$200,000 savings for the mine.



Top – Centralised Dosing System

Bottom – Elution Dosing System



OnGuard™ 3S Unit

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