

OMNI[™] Analytics

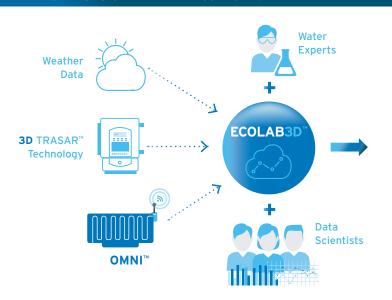
Predict Performance

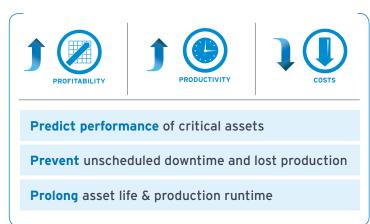
Prolong Asset Life

Optimize Total Cost of Operations

OMNI™ Analytics studies historical and real-time data in order to predict mechanical, operational and chemical issues – leading to **RELIABLE HIGH PERFORMANCE.**

▶ HOW DOES OMNI ANALYTICS WORK?





▶ CRITICAL SUCCESS IMPERATIVES FOR DATA ANALYTICS



BUILT IN PARTNERSHIP WITH







OMNI Analytics

Impact at Power Plants

Four 2x1 Combined Cycle Power Blocks

- · Once through circ water system
- · Elevated DO and cation conductivity in the condensate
- · OMNI indicated air in-leakage correlated to "bravo" CD pump



REDUCED heat rate penalty by 1% or \$100,000/month









Single Unit Coal-Fired Power Plant

- With titanium condenser
- Well water makeup
- · Aluminum fouling observed in test rack
- · OMNI confirmed condenser degradation



> \$500,000 fuel **SAVINGS**









Two Unit Nuclear Power Plant

- · Uses brackish water for once through condenser cooling
- · OMNI identified inlet tube sheet fouling leading to higher temperature rise and backpressure on the condenser



\$100,000 **REDUCED labor** costs for cleaning





\$3M generating revenue RESTORED





REDUCED costs to mitigate reactivity control risks





Read the full case studies on the OMNI Analytics webpage:

www.ecolab.com/OMNI-Condenser

Contact Nalco Water: omni@ecolab.com



NALCO WATER DIFFERENCE

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