

**NEXT-
LEVEL
WATER**
PERFORMANCE

NALCO Water
An Ecolab Company

Premium Cooling Water Program

Predictive Analytics & Diagnostics

OMNI™

Powered by **ECOLAB3D™**

A more comprehensive view of your water systems and asset health

Cooling water systems are under constant stress and at risk from resulting corrosion, scale, fouling, and biofilm. With predictive analytics, problems can be identified before they happen. OMNI™ provides you with the actionable insights into asset performance issues, including predicting scaling and microbial fouling before it occurs; helping to maximize output, minimize costs and maintain asset reliability.

**20% of
heat exchangers**
— represent —



**80% of your
maintenance
costs**

Achieve your goals for profitability, productivity and efficiency

- Achieve production goals
- Improve sustainability
- Minimize operating costs
- Extend asset life

Nalco Water expertise and the industry's most advanced technology work together to support your key business drivers

OPERATIONAL EFFICIENCY

OMNI™ helps your system save money, optimize production, reduce waste and use labor more efficiently.



SYSTEM ASSURANCE

Our team of highly trained experts provides 24/7/365 oversight to help detect risks before they become issues.



WATER/ENERGY SAVINGS

By controlling scale and microbiological deposit risks that hinder heat transfer, energy demand is reduced.



ASSET MANAGEMENT

Help protect asset health and operate more reliably by implementing corrective actions to help mitigate potential problems.



A holistic, 24/7 asset monitoring program

With historical, real-time, and predictive analytics and diagnostics, OMNI™ analyzes data from cooling water, weather and production assets. With OMNI™ providing system insights that can find under-performing assets efficiently, you can apply the best water treatment program and help prevent asset problems.



CASE STUDY

SITUATION: A nuclear power plant needed an effective way to address macrofouling concerns.

SOLUTION: OMNI™ Predictive Analytics & Diagnostics

RESULTS:



Reduced operating costs



Total value delivered of \$3.1M USD/year

Multi-parameter performance insights, powered by ECOLAB3D™, to benchmark and track system performance

24/7/365 remote monitoring and alert notifications provided by Ecolab Global Intelligence Center



Use water more intelligently throughout your operations

By leveraging predictive analytics and diagnostics, OMNI™ gives you advance notice of potential mechanical, operational and chemical issues so you can achieve next-level water performance.

Continuous monitoring of water system data and customer asset data

NEXT-LEVEL WATER PERFORMANCE

Next-Level Water Technologies. Next-Level Water Performance.

The Premium Cooling Water Program from Nalco Water helps optimize your water performance and your assets with next-level analytics, technology and chemistry.

ecolab.com/nalco-water

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