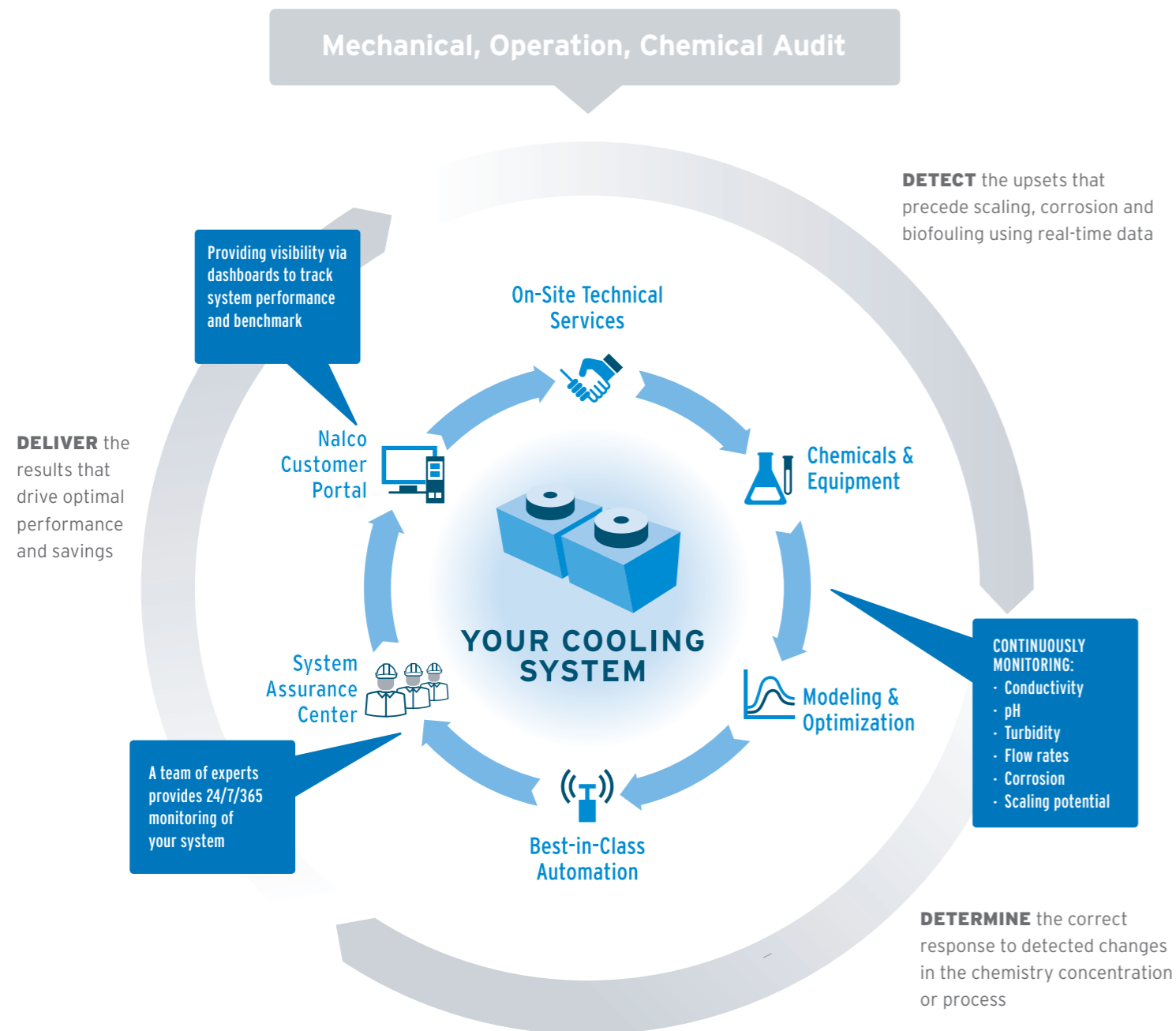


3D TRASAR™

Next Generation System Performance and Data Management Platform

Surrounding your enterprise with value-adding intelligence, control and on-site expertise.



Reinventing the Way Water is Managed

NALCO Water
An Ecolab Company

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3D TRASAR™

Raising the bar...

To deliver best in class cooling water system control and process efficiencies.

NALCO Water
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3D TRASAR™

Advancing to a new level of cooling water and process system control

Continuous Innovation

3D TRASAR™ Technology is evolving to meet ever more challenging customer needs

3D TRASAR Technology is already soundly embraced worldwide. 30,000 systems are currently shipped. 19,000 water systems are monitored 24/7/365 by NALCO Water experts, supported by 5,000 on-site experts. But innovation is a continuous process. The next generation of 3D TRASAR Technology has advanced this technology to a whole new level, giving you the information and operational assistance you need to control cooling water systems and every process they impact as never before possible.

Every element of 3D TRASAR Technology has been improved. New smart sensor technology. New user interface. Improved connectivity. Seamless integration into advanced remote monitoring, reporting and alarming. There are literally hundreds of improvements, all based on what you, our customer, are telling us you need.

With this continuous improvement, the world's most trusted cooling water system control technology sets a new standard in value delivery.



Enterprise-Wide Impact

Effective control of cooling water systems can impact your entire enterprise...even across multiple locations

NALCO Water understands that cooling water systems have a crucial and complex relationship with other plant processes. 3D TRASAR Technology is designed to monitor key performance parameters and optimize water management through custom solutions.

3D TRASAR Technology is a flexible and effective data management and system control platform locally, as well as enterprise-wide across multiple locations. It offers a single technology platform for expanding and standardizing system control, data management and effective decision making across every plant location, anywhere in the world. 3D TRASAR Technology is an enabling automation system and trusted partner for benchmarking and establishing best practices.



Smarter

New sensing and reporting technologies monitor and respond to leading indicators

3D TRASAR Technology is smarter than ever, incorporating smarter sensor technologies that watch the leading indicators. So you can anticipate problems with a real-time view of operational data, and solve them before they become an issue. Innovative sensing of scaling, fouling, and corrosion potentials is managed by the new controller, which then instantly initiates proper corrective action while simultaneously gathering, trending and reporting the data. Your view of plant systems operational status has never been so complete, accurate and actionable.

You'll be smarter, too. With the updated web-based monitoring/reporting portals, it is simple to view your operation with convenience, timeliness and thoroughness.



Safer

Protect your process, and your brand

Whatever you manufacture, control of your process directly impacts not only operating efficiency but product quality. You cannot afford to sacrifice either one. Your profits, and your reputation, are directly affected. Additionally, plant safety is enhanced by maintaining a well-balanced cooling water system with mechanical assets that are protected by proactive stress management. NALCO Water has designed hardware to meet our customers' rigorous safety standards.

Simpler

System status is simple to view, and decision making is easy

The NALCO Water enVision performance platform lets you view system status anytime, anywhere. It's been designed as an easy to interpret interface, with information displayed in graphic formats that enable simple and timely decision making. Everything you need to know, from detailed system status to inventory levels and alarms is instantly viewable... on any device from laptop computers to smart phones. And remember, NALCO Water is always in the loop, not only viewing the data through 3D TRASAR System Assurance Center, but providing valuable on-site expertise.



All leading to Reliable Data in a Comprehensive and Expandable Platform

You get accurate, actionable data in real time

NALCO Water's smart sensing technology delivers information that is accurate, precise and in real time. Our proprietary tagged polymer technologies allow the controller deliver instant intelligence on chemistry concentrations and feed. But more importantly, 3D TRASAR Automation determines the need. Micro-biological activity is continuously measured. Conductivity, pH, turbidity, flow rates, corrosion, scaling potential and more are continuously monitored and reported in real time. When any key parameter moves beyond strategy limits defined for each, the controller instantly responds.

You see the data on any web-enabled device. And the engineers at the System Assurance Center have their eyes on your system 24/7/365 to monitor system status and alert you to and advise you about any potential stress control issues. Knowledge is power, and with it you and your NALCO Water team can control your systems with unprecedented precision.

