



SYMPHONY™

WATER MANAGEMENT SOFTWARE

DATA + ANALYTICS INTELLIGENCE AT YOUR FINGERTIPS



**WHAT SYSTEMIC RISK FLOWS
THROUGH ALL BUILDINGS?**

ENTER



WATER

All of the other systems in your building are getting smarter, but what about the management of your water systems?



You are managing your water system the best you can with the limited data you have available. Now it is time to dive deeper into your water conditions with Symphony to make a significant, long-term impact.

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SYMPHONY™ SOFTWARE

Symphony™ Software is the only third-party, cloud-based platform that provides comprehensive and transparent insights into your building's water system 24 hours a day. With the incorporation of real-time water management software, you can take proactive measures to mitigate time-consuming and costly water management issues.

Benefits



Water Conservation

Clients have reported millions of gallons of water savings



Energy Conservation

System efficiency up to 35%



Reduces Legionella Exposure

Mitigate building occupant risk, avoid million-dollar lawsuits and irreparable brand damage



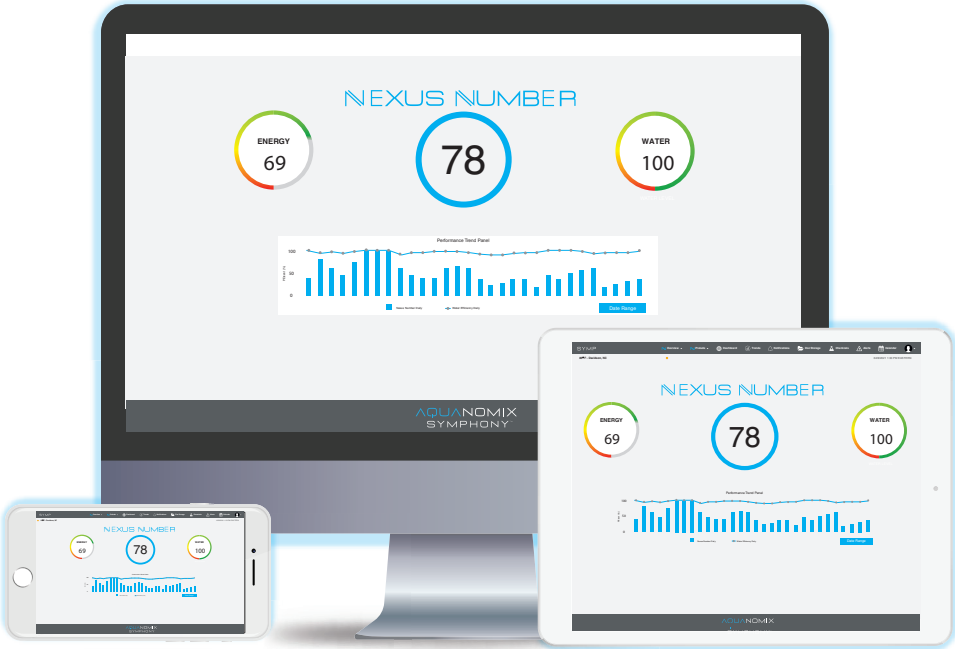
Asset Preservation

Minimize capital depreciation by 5% or more



Unforeseen Maintenance Prevention

Data Centers report 15% of unplanned outages are due to water-related failures, costing an average of \$500,000

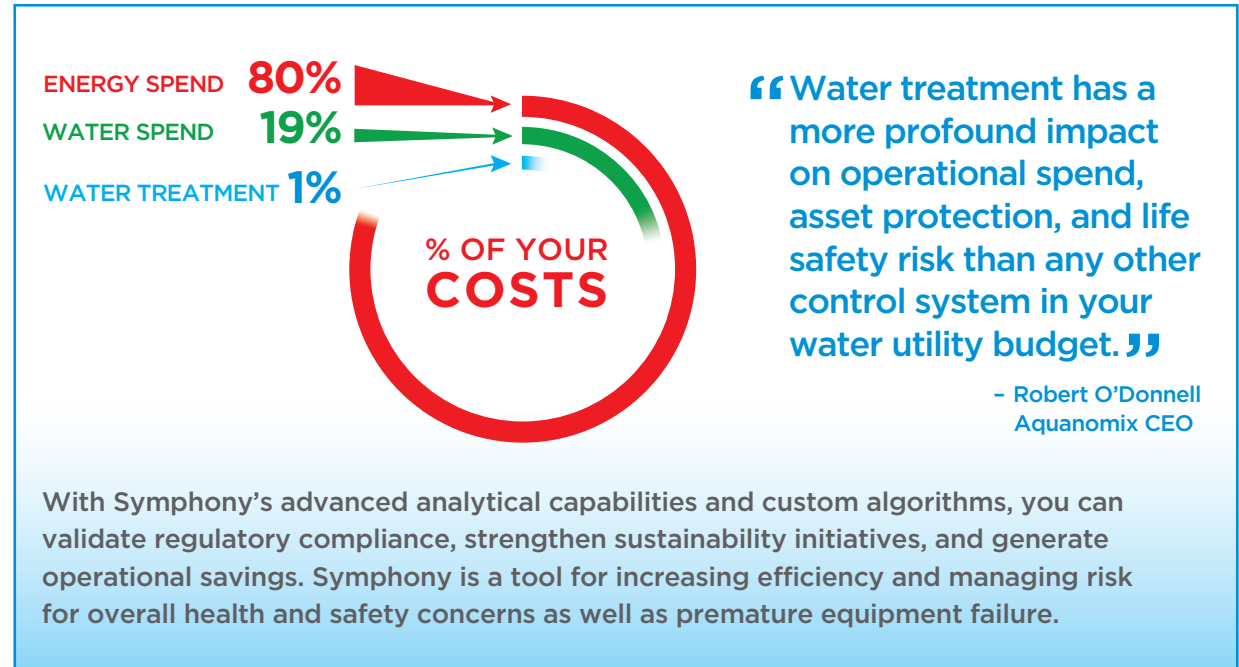


Your Front Line In Water System Risk Mitigation

Buildings are constructed for different purposes, but they **ALL** include water systems. And these systems carry risk. Facilities are equipped with modern building automation systems for lighting, elevators, HVAC, and security. But the water system management is still measured manually one to two times per month.

Engineers and public-health authorities are now pushing building operators to improve water-system maintenance. Left untreated or mismanaged, chillers, pipes, and air handlers run inefficiently, causing unscheduled downtime, or worse, threatening public health and safety

Symphony Software™ seamlessly pulls data points from your water treatment controller and your building management system to monitor the cause-and-effect relationship between water quality and heat exchange efficiency.



“ Symphony™ provides Novant Health with actionable data and drives accountability across our healthcare portfolio. We are bringing historically isolated data back to life and using it to produce better outcomes in our water risk management program. ”

- Matt Stiene
Vice President Construction and Engineering
Novant Health

SYMPHONY™ VALUE ACROSS THE ENTERPRISE

Enterprise Level

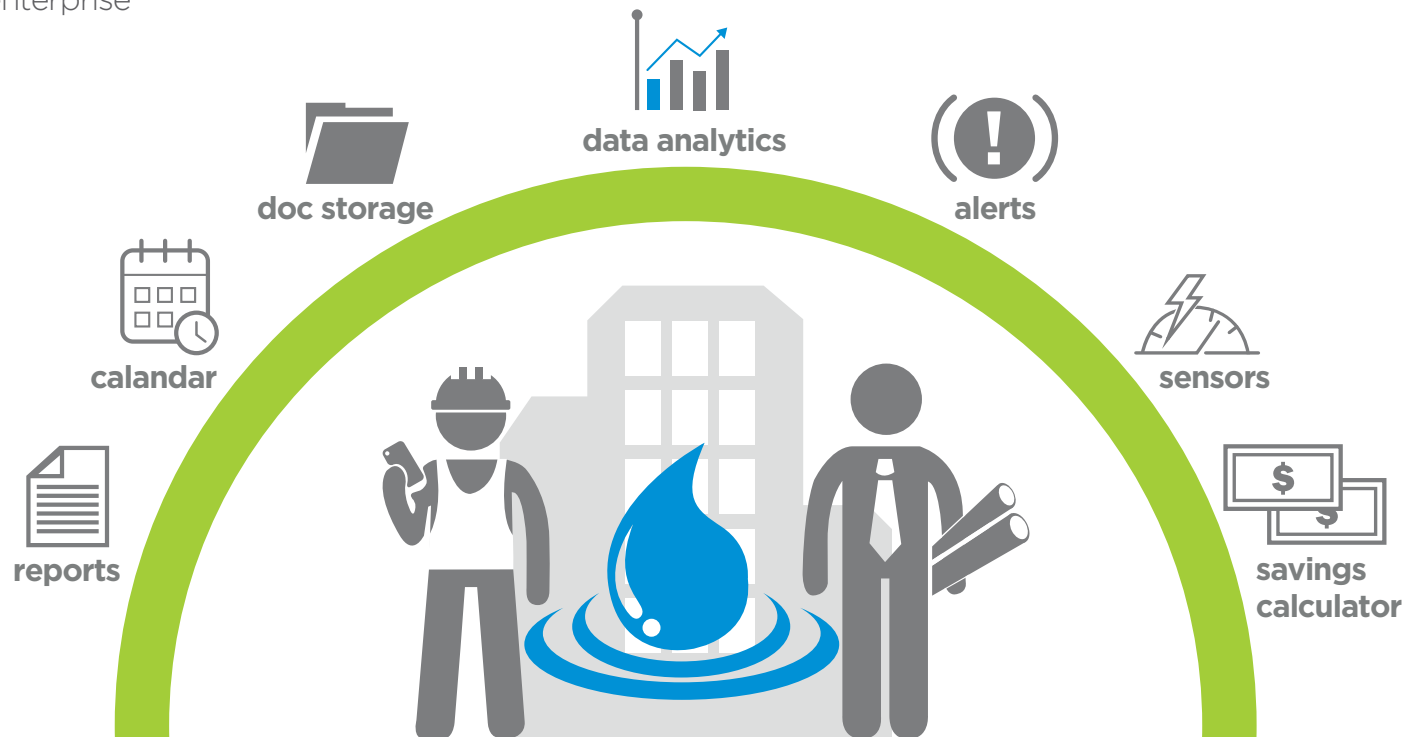
Symphony Software™ helps leadership drive strategic initiatives forward across their portfolios. The software allows you to easily review benchmarks and system performance for enterprise optimization.

- Executive business reviews to drive cost control and meet sustainability objectives
- Centralized dashboard of portfolio's system performance and risk
- Streamlined processes and documentation across the entire enterprise

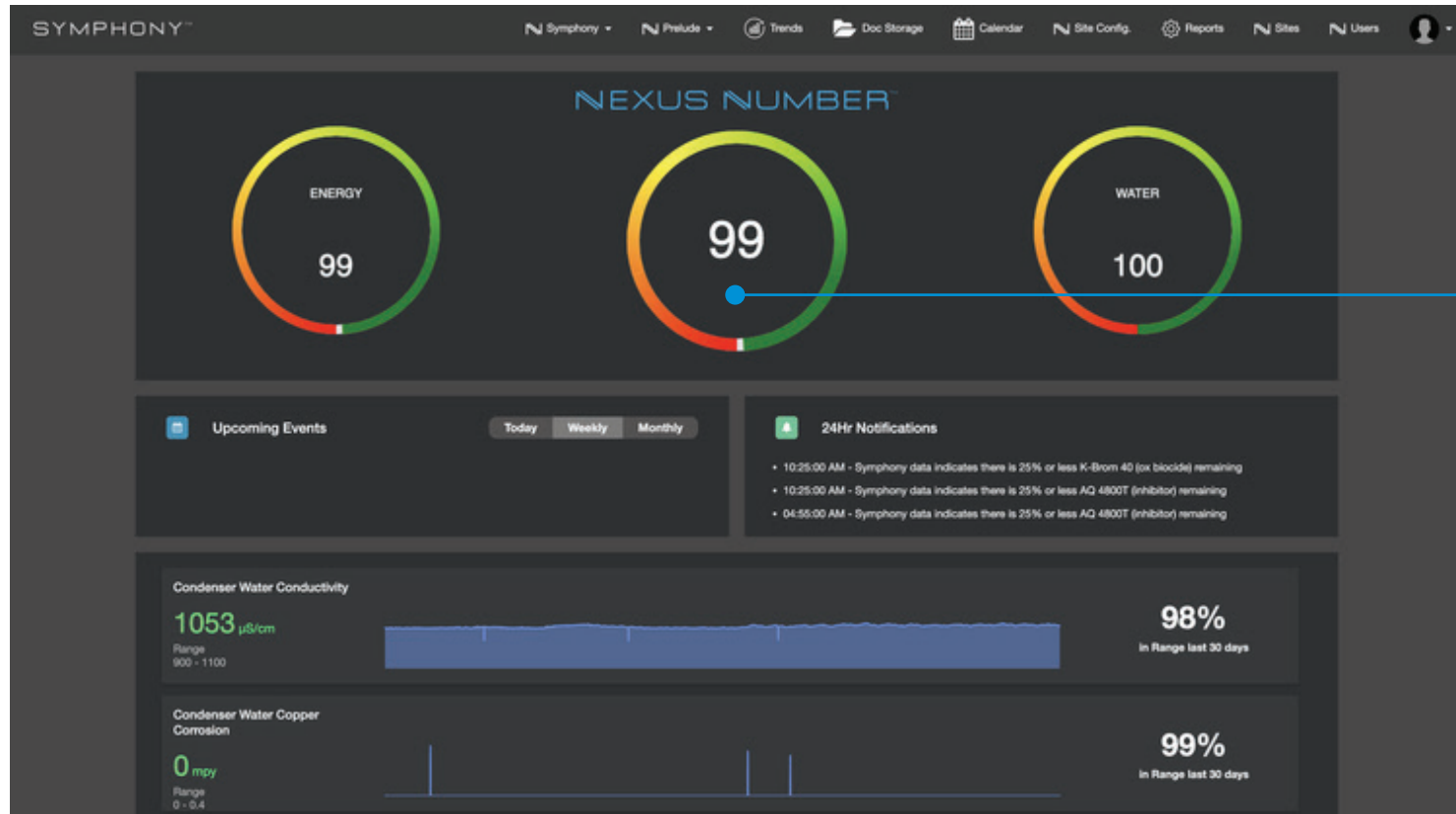
Site Level

Symphony Software™ empowers facility managers and site teams to improve day-to-day operations and minimize manual labor mistakes. Remote access eliminates time-intensive water check-ins required to optimize system functionality.

- 24/7 alerting platform with recommendations
- Storage repository for management and compliance documents
- Vendor reporting and accountability



STANDARD OF CARE DASHBOARD



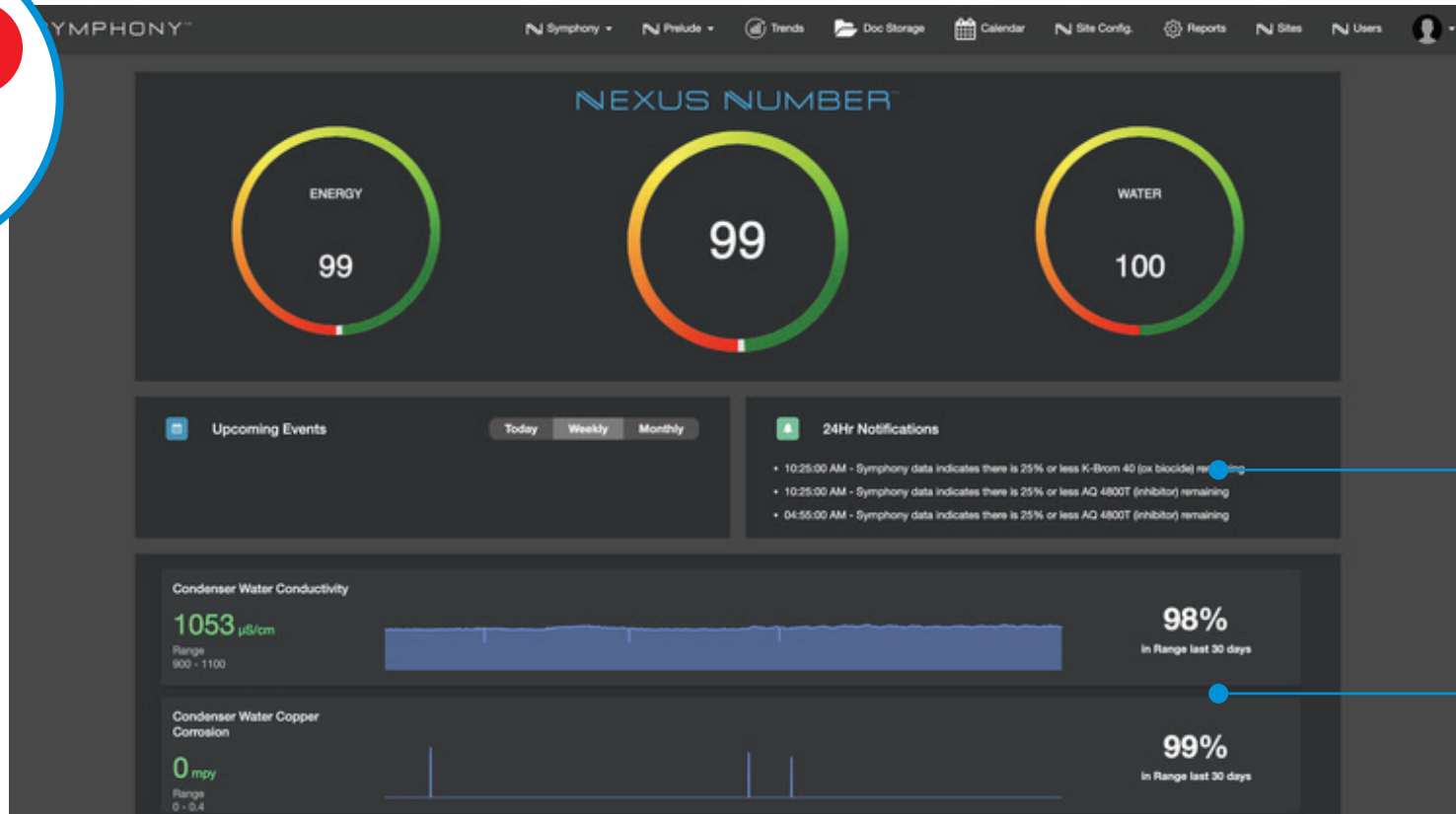
Overall System Health

Symphony™ depicts your system's risks and generates a single, patented benchmark, known as the **Nexus Number™**. ▶

The Nexus Number™ provides an at-a-glance look at your overall system health with the option to dive into the finite detail if needed, giving you immediate knowledge of the ever-changing conditions of your building. The data supports swift and intelligent decision-making processes which can save money and improve outcomes.

Performance Metrics and Actionable Alerts

Key performance indicators (KPIs) with acceptable ranges are set up with you and your water treater which allows our software to alert you immediately if a precursor to a major issue is trending out of range. The **alert emails** contain information on how to address the concern being reported. No need to waste time reviewing graphs, the alert allows you to make efficient and data-driven decisions to address the issue immediately. ▶



Event Management

It is important to verify routine service and maintenance are being scheduled and completed. Symphony provides calendar management to store all of your upcoming service visits. In addition, the software has a centralized document repository to store all of your service reports as well as other compliance documentation in one place. Your workforce is already trying to do more with less. Let Symphony's repository automatically store the documentation you need for water management compliance. The easily accessible, up-to-date information saves your team time and provides assurance the documents are accurate.



“ 19.8 percent of business time - the equivalent of one day per working week - is wasted by employees searching for information to do their job effectively. ”

- Interact Source

REAL-TIME MONITORING ENABLES BUSINESS IMPROVEMENTS

Minimize Occupant Risk

With real-time monitoring of key data points which document the state of your water system, you can quickly address the precursors to waterborne pathogen development, like *Legionella*. This helps control bacterial growth and maintain an efficient reliable system significantly minimizing risk to your building occupants.

- Provide early-stage growth detection with biofilm monitoring
- Monitor chemical effectiveness against established protocols
- Provide regulatory documentation portal

Mitigate Operational Expenditures

Symphony continuously monitors your operational risk and alerts you when key factors are out of range. This ensures your system is not over or under-treated which results in corrosion, scaling, biofilm, and pathogen development. An optimized system reduces your energy consumption and provides water savings.

- Improve overall standard of care through optimized, tighter control
- Measure water usage against use targets
- Identify water quality fluctuations and resolution strategies



REAL-TIME MONITORING ENABLES BUSINESS IMPROVEMENTS

Preserve Capital Assets

The most robust design can be undermined by human error. Minimize the probability of critical asset failure and maximize the lifecycle of your capital expenditures through the continuous monitoring and benchmarking of your water systems. Being proactive in monitoring your water assets allows you to avoid unforeseen maintenance costs and premature equipment failure.

- Preserve life cycle of mechanical assets
- Predictive analytics reduce equipment malfunctions and downtime
- Transition from scheduled maintenance to on demand maintenance

Comply with Regulatory Requirements

Facilities must present documentation that shows they have met certain specifications and standards for their water system which includes accurate, reliable data. Symphony allows you to centralize your water management data and documentation from your facility and your service providers for regulatory compliance.

- Centralized document repository
- Compliance and validation
- Calendar management



“ Aquanomix’s superior level of expertise and support allowed us to effectively implement Symphony™. By using Symphony’s algorithms and the real-time biofilm sensor we have precise continuous monitoring of our system performance, while protecting our assets and ensuring reliability. This is what our customers have come to expect from us. ”

- David Edwards
LEED AP

ESG GOALS THAT DATA IMPACTS



ENVIRONMENTAL

Water management and energy efficiency



SOCIAL

Empowering staff with tools and data resources



GOVERNANCE

Transparency and compliance

Sustainability Goals

The world has a diminishing supply of water. Symphony aims to help facilities around the world to achieve their sustainability goals by enhancing water quality and improving both water and energy efficiency in their water systems - leading to lower costs. Our software can help deliver points towards LEED® certification as well as support other initiatives like the Fitwell Standard, Science Based Target Initiatives, and the WELL Building Standard.

RETURN ON INVESTMENT

Symphony provides real-time data analytics to help successfully run an **efficient, sustainable, and profitable building**. ▶

ANNUALIZED OPERATIONAL SAVINGS

Energy Cost	\$247,500	Lifecycle	20 years
Water Cost	\$53,422	Total Lifecycle Cost	\$6,468,440
Chemicals	\$15,500	Projected Operating Savings	5.00% (per year)
HVAC Maintenance	\$7,000	Annual Operating Savings Per Year	\$ 16,171.10
Total Cost Per Year	\$323,422		

ANNUALIZED CAPITAL SAVINGS

Lifecycle	20 years
Chiller Plant Cost (Capital cost)	\$1,600,000
Chiller Plant Cost (per year)	\$80,000
Projected Increase in Service Life	5%
Annual Savings Over Service Life	\$4,000
NPV	\$131,685

TOTAL ANNUAL SAVINGS: \$20,171 per year

Assumptions: Chiller Plant Size: 1,000; 20-year Asset Lifecycle; 75% Load; System Efficiency at 0.60KW/Ton; Electrical Cost at \$0.11 KWH; Cycles of Concentration: 5; Cost of Water: \$8.00 per 1,000 gallons; HVAC Maintenance: \$7.00 per Ton; Water Treatment Cost: \$15.50 per Ton. One failure results in \$500,000 loss. Annualized over 20 years is \$25,000. For general information purposes only. Costs and savings vary based on factors such as equipment age and physical location as well as the owner taking necessary actions if an alert arises.



WANT TO LEARN ABOUT THE RETURN-ON-INVESTMENT SYMPHONY CAN PROVIDE YOU?



Contact us for more information or to schedule a demo.

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