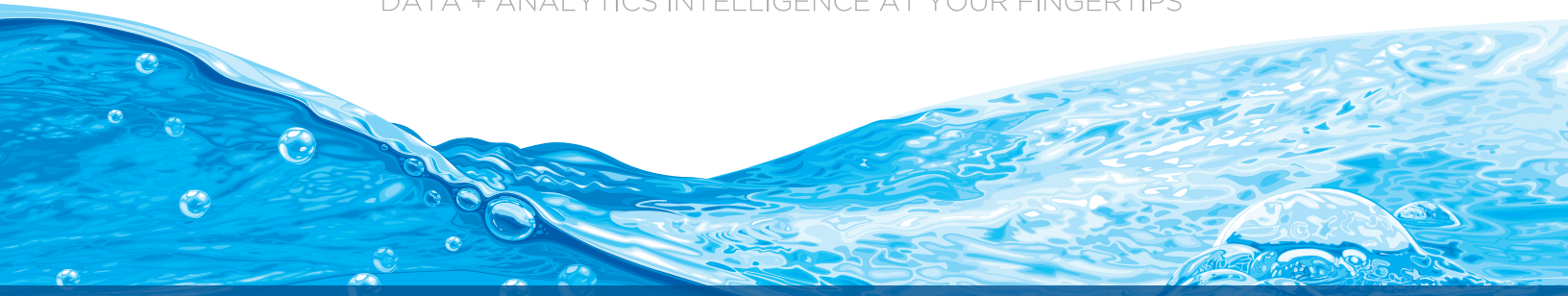# SYMPHONY™

WATER MANAGEMENT SOFTWARE
DATA + ANALYTICS INTELLIGENCE AT YOUR FINGERTIPS

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
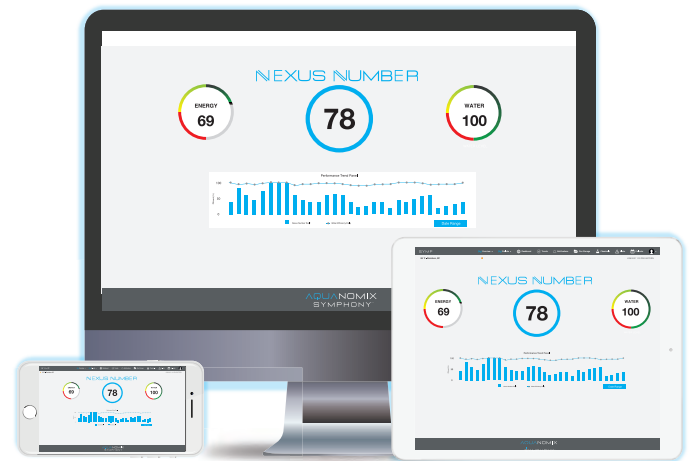
Asset Preservation
Minimize capital depreciation by 5% or more
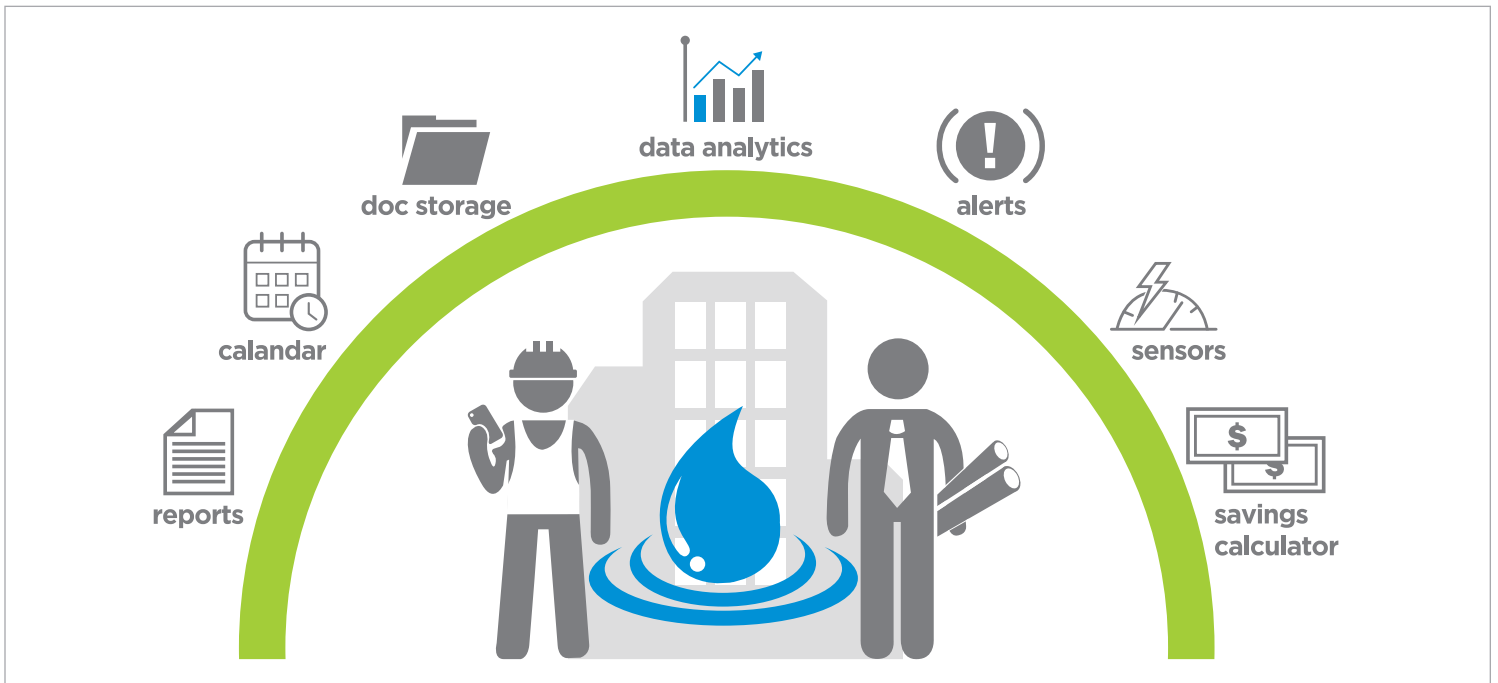
Unforeseen Maintenance Prevention
Data Centers report 15% of unplanned outages are due to water-related failures, costing an average of $500,000

> " 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

data analytics

doc storage

alerts

calandar

sensors

reports

savings calculator

Enterprise Level
Symphony Software™ helps leadership drive strategic initiatives forward across their portfolios. The sofware allows you to easily review benchmarks and system performance for enterprise optimization.
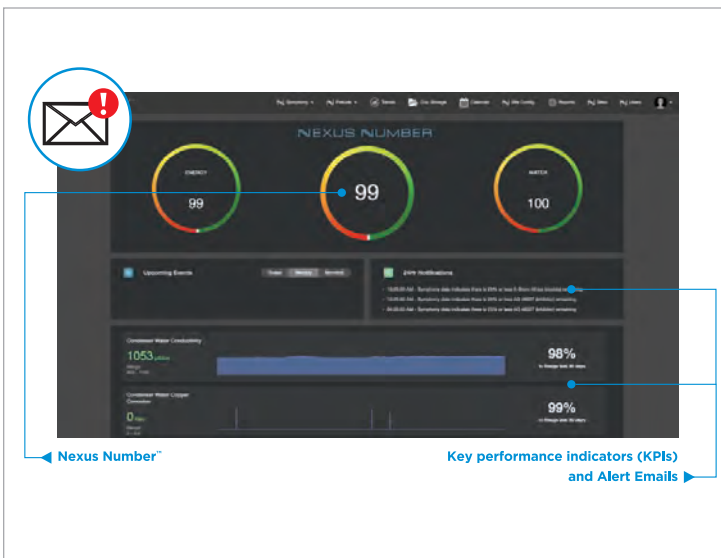
- Executive business reviews to drive cost control and meet sustainability objectives
- Centralized dashboard of portfolio's system performance and risk
- Streamlined processes and documentation across the entire enterprise

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

◀ Nexus Number™

Key performance indicators (KPIs) and Alert Emails ▶

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.

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

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

ESG GOALS THAT DATA IMPACTS

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.

ENVIRONMENTAL
Water management and energy efficiency

SOCIAL
Empowering staff with tools and data resources

GOVERNANCE
Transparency and compliance

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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