

# AQUANOMIX



Strategic Water Reuse Solutions

Rain

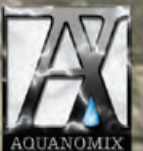
Process

Storm

Grey

Foundation

*Usus aquae.*  
We Understand Water.



The Romans recognized the importance of water...

## Why haven't we?

Water reuse is no longer an option...It's a necessity.

Water is running out... and so is the money to pay for it. Are you prepared? Managing water is a global, monumental economic and environmental problem. With costs skyrocketing 5-8% every year, reclaiming, reusing, and reducing water is *imperative* to your survival.

Aquanomix understands water.

Today, the pressure is on to be sustainable. The need to decrease operating costs, improve stormwater control, and most importantly – conserve our precious natural resource – *water*, is at an all time high. How will *you* do it all?

Aquanomix is changing the future with strategic water reuse solutions that significantly impact the way you manage water, *and your bottom line*:

- ***We know the business*** – With over 25 years of extensive knowledge and experience in water management, we help you meet and exceed your social, environmental, and economic responsibilities.
- ***We turn water liabilities into assets*** – Our technologically refined, yet simple approach manages and repurposes stormwater, rainwater, greywater, and process effluent for cooling tower makeup, water closets, irrigation and others, in one, integrated system.
- ***We build relationships*** – The Aquanomix team of LEED accredited engineers is dedicated to your project from design through installation, and beyond.

Resourceful. Innovative. Intelligent.

# AX Water Management Center – Water Reuse Made Simple.

The AX Water Management Center is a dynamic synergy of mechanical, electrical, and chemical technologies that captures, measures, controls, and delivers reused water to new buildings, or existing facilities for non-potable use. Alternate water sources include rain, process, storm, grey, and foundation.

## Commercial & Industrial Applications

- Cooling tower makeup
- Irrigation systems
- Water closets
- Vehicle washing
- Other non-potable applications

## Harvest the Opportunity for Savings & Efficiency

- Replaces up to 80% of potable water used in a typical commercial building or industrial facility.
- Creates an ROI that pays continuous dividends
- Offsets increasingly high utility fees and operating expenses
- Displays real-time water usage, savings, and quality
- Reduces stormwater management costs and drastically impacts runoff
- Seamlessly integrates with building systems
- Projects are eligible for up to 12 LEED points under the USGBC LEED 2009 rating system

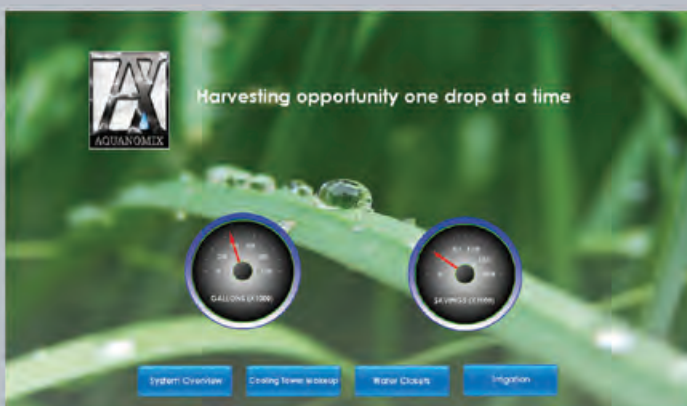


AX Water Management Center

## Why the AX Water Management Center?

- Turnkey solution delivers and manages harvested water from cistern to end use
- Programmable touch screen controls offer increased productivity
- Harnesses electrical and mechanical control points in one, unified platform
- Customizable based on project parameters

An intuitive touch screen displays live gauges providing vital financial and environmental performance data. The system is intelligent enough to adjust water quality and switch between an alternate water source and the municipal supply to meet demand.



Intuitive Touch Screen



Water Quality Controls Screen

## Water Reuse – The New Normal.

**fact:** ROI from the AX Water Management Center can be realized in 2-5yrs for many applications.

**fact:** Up to 80% of water in commercial and industrial applications can be replaced with non-potable water.

**fact:** The AX Water Management Center as part of a reuse water system, may contribute up to 12 points toward USGBC LEED certification.



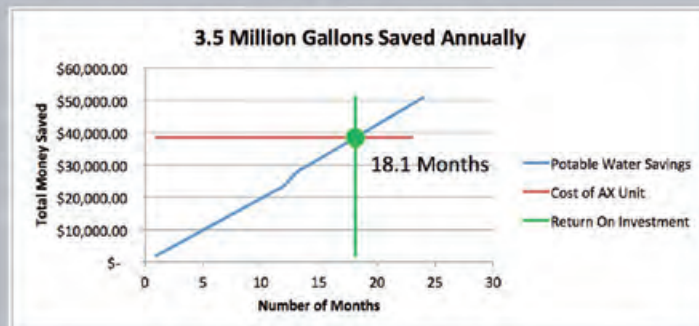
Typical Cooling Tower System

## AQUANOMIX...

### • Is a Sustainable Water Management Partner for Facility Owners.

Your social, environmental, and economic bottom line matters. With water costs increasing up to 8% each year, global scarcity, and the desire to build sustainable, your water management strategy *demands* a reuse solution that *delivers*.

Our consultative approach to water management for facility construction, stormwater control, and water conservation addresses your goals for economic viability, holistic environmental design, and cutting edge technological advancement.



“The AX Water Management System has proven to be sophisticated by design, yet simple in application.”

– David Edwards, LEED® AP

Director of Engineering  
Cousins Properties, Gateway Village,  
Charlotte, NC.

### • Provides a fully integrated, efficient, water management Solution for Engineers.

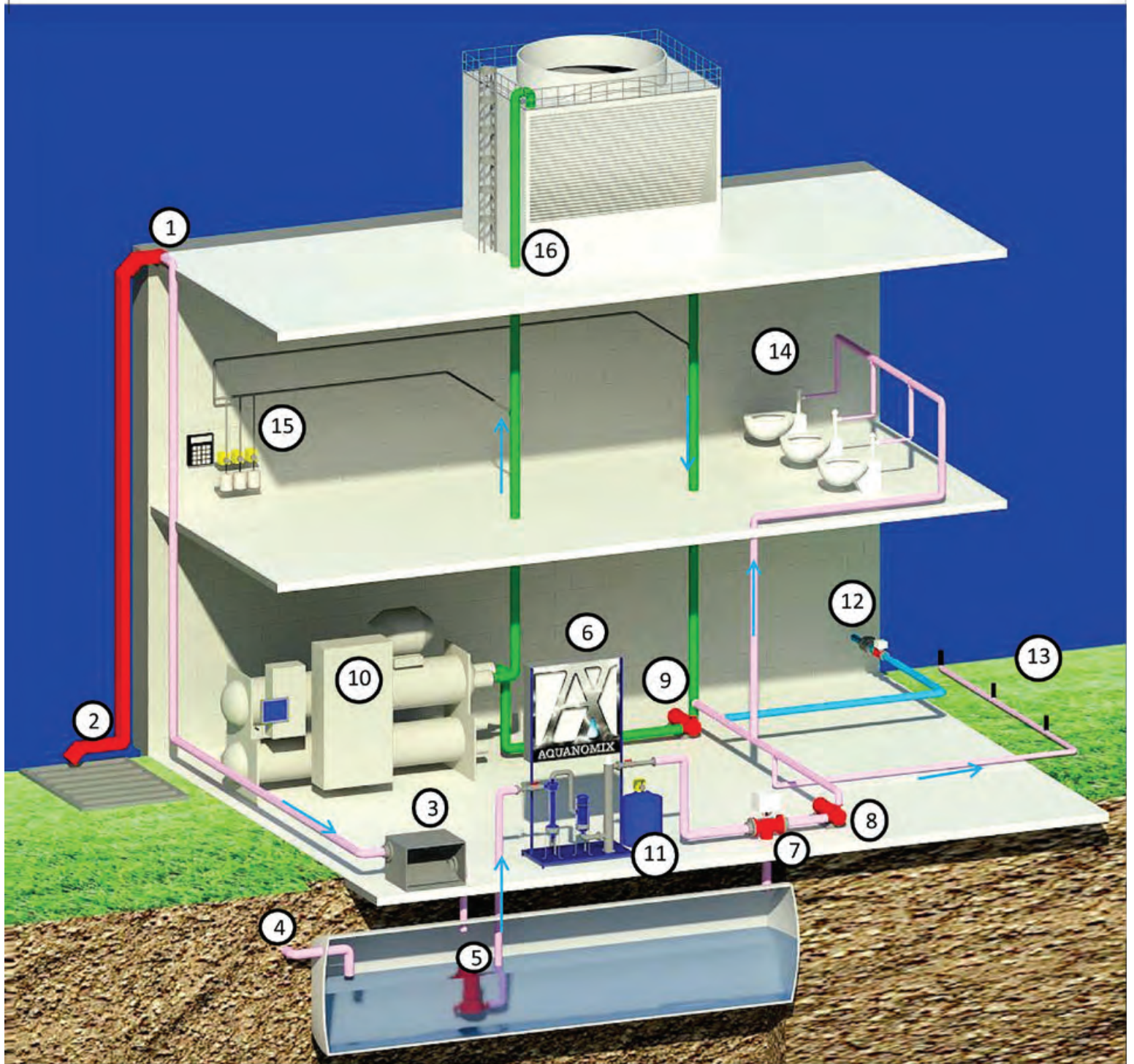
Aquanomix puts the power in your hands with total system control. From cistern pump – to management center – to end use, our skid mounted, component matched system helps you develop seamless water reuse solutions for cooling tower makeup, water closets, irrigation, and many other non-potable applications.

### • Projects contribute up to 12 points toward LEED projects for Architects.

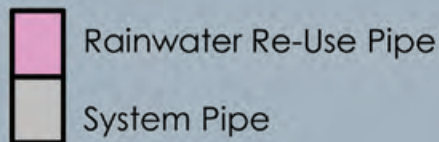
The AX Water Management Center contributes to the following LEED credits:

- Stormwater Design – Quantity Control
- Stormwater Design – Quality Control
- Water Use Reduction – 20% Reduction
- Water Use Reduction – 30-40% Reduction
- Water Efficient Landscaping – Reduce by 50%
- Water Efficient Landscaping – No potable water use or no irrigation
- Innovative Wastewater Technologies
- Innovation Design Credit

Aquanomix helps you stay ahead of the curve by partnering with a national accounting firm to produce a comprehensive ROI analysis.



- |                                         |                                          |
|-----------------------------------------|------------------------------------------|
| 1. Rainwater Collection Point           | 14. Water closet use.                    |
| 2. Previous rainwater discharge.        | 15. Cooling tower treatment (By others). |
| 3. Cistern pre-filter.                  | 16. Cooling tower makeup use.            |
| 4. Cistern overflow to storm.           |                                          |
| 5. Cistern submersible pump.            |                                          |
| 6. Aquanomix rainwater management skid. |                                          |
| 7. 3-way valve to recirculation line.   |                                          |
| 8. Rainwater booster pump.              |                                          |
| 9. Condenser system pump.               |                                          |
| 10. HVAC system chiller.                |                                          |
| 11. Water closet dye injection.         |                                          |
| 12. City water backup.                  |                                          |
| 13. Irrigation use.                     |                                          |





## AQUANOMIX

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