

Your Single Source for

Cooling Tower Treatment & Water Conservation



Did you know that water usage by HVAC equipment represents **35%** of the total water consumption in a facility?

EMCOR Services Fluidics and WCTI have partnered to bring you a solution that can reduce your water consumption by 25% or more for large central plants and cooling towers, while mitigating scale and corrosion issues.

Patented Green Technology

The WCTI technology uses a natural “green” chemistry approach to inhibit corrosion and mineral build-up in cooling systems. The pre-treatment process eliminates scale and bio-fouling potentials on heat transfer surfaces. Using the WCTI technology also eliminates the need for on-site handling and storage of harsh chemicals and the associated HAZMAT concerns and spill risks.

Energy and Cost Reductions

Since less water consumption volume is necessary to achieve cooling, less energy is used in the cooling tower operation. Additional savings are realized by a net reduction in the volume of water discharged from the equipment. The technology also allows the use of reclaimed water or rainwater harvesting to be used for tower water supply, further decreasing water consumption. Finally, clients see an additional reduction in costs by eliminating the need for chemical program maintenance and reducing the frequency of ongoing chiller cleaning.



Benefits

- > Total water treatment cost reduced by 50% or more
- > Water consumption reduced by up to 25%
- > Mitigates scale, corrosion, and bio-fouling without blowdown water
- > Non-toxic chemistry and cost-effective elimination of discharge
- > No chemical handling and storage
- > Reduced testing and operator time
- > Ideal for high-silica or reuse (wastewater) makeup source waters
- > Extended equipment life

Implementation and Maintenance

Our single source solution provides the following:

- > Survey design capacity, load, and water quality of current system
- > Provide proposal with complete water savings comparison and cost analysis
- > Install pre-treatment system, including all necessary wiring, piping, and associated controls
- > Start-up and transition
- > Performance monitoring and reporting with advanced remote monitoring option

We have successfully implemented WCTI programs for some of Philadelphia's top companies:

- > Boeing
- > Verizon
- > Brandywine Realty Trust
- > Southco
- > Trader Joes



Reduce Costs

Conserve Water

Eliminate Harsh Chemicals

Call us today to learn more.



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