

Headquarters of Fortune 100 Company Cooling Towers and Chillers

Updated on July 15, 2019



*Hydro***FLOW**[®]
U.S.A.



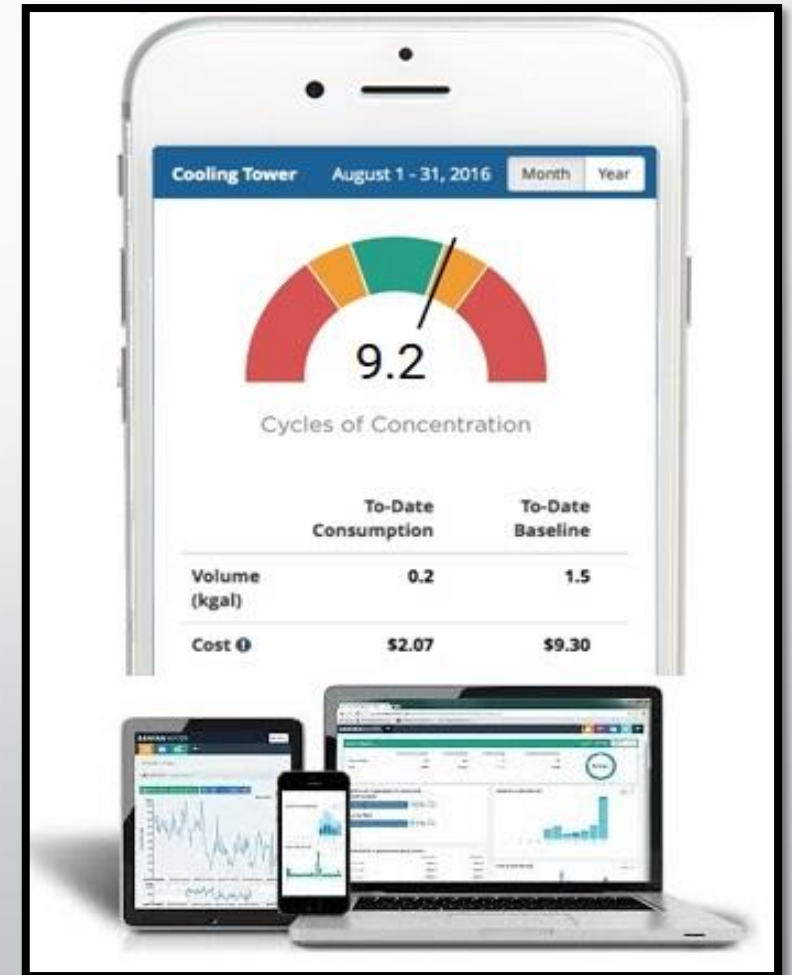
Hydro**Tech**
Total Water Management Solutions

Background

In April of 2016, a Fortune 100 LEED Gold certified headquarters in Houston, Texas, contracted with HydroTech Solutions to initiate Total Water Management (TWM) as a service program for their cooling towers and chillers.

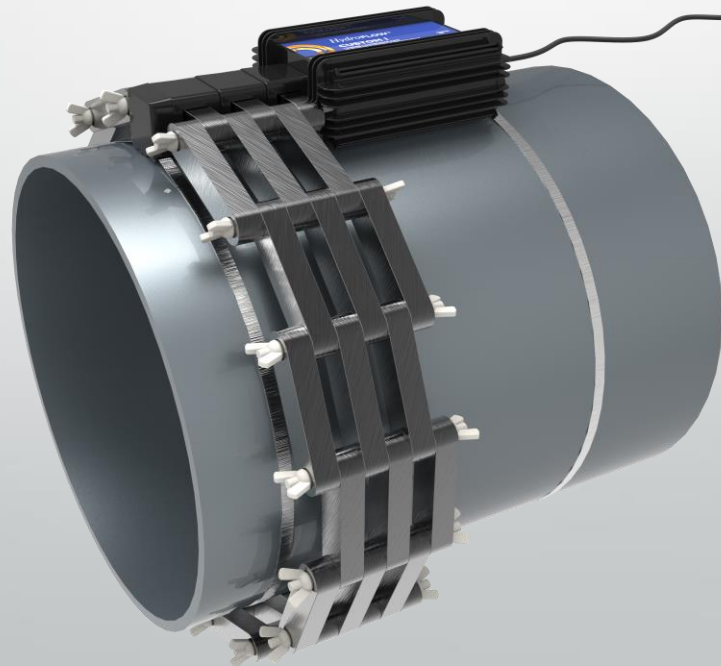
The TWM program includes:

- *HydroFLOW* electronic water conditioners, which provide eco-friendly scale, bacteria and corrosion control.
- IoT (Internet of Things) sensors & meters, which continuously monitor flow rates, temperatures and water quality.
- Cloud based platform that securely analyzes and displays data.
- Monthly site visits to inspect equipment, water quality and operations.



Key Success Factors

- **Reduction of scale and biofouling accumulation in the cooling towers and chillers.**
- **At least 50% conservation of blow-down water.**
- **Chemical reduction and optimization.**
- **Increased life-cycle of equipment, fill material and piping.**
- **Reduction in energy costs.**
- **Reduction in maintenance costs.**



Results

“HydroFLOW significantly improved the operation of our cooling system, in terms of cost and maintenance. This technology pays for itself with the monthly savings it attains.”

Quote from the Facilities Manager

- **85% blow-down water reduction, which greatly exceeded the 50% goal.**
- **75% chemical reduction.**
- **50% reduction in maintenance frequency.**
- **10% reduction in energy consumption by the cooling towers and chillers.**
- **The fortune 100 company is in the process of implementing TWM in other facilities.**

Annual water and energy savings were \$73,400

(A detailed report is available upon request)

For additional information contact: <https://www.hydrotech.solutions/contact-us>