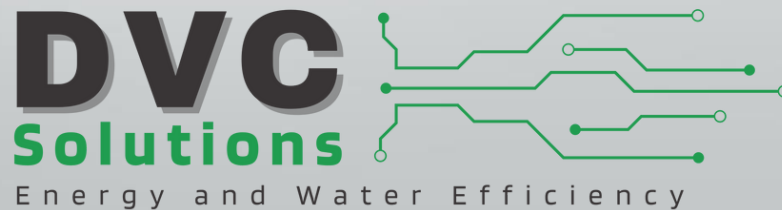


# Headquarters of Fortune 100 Company Cooling Towers and Chillers

Updated on July 15, 2019

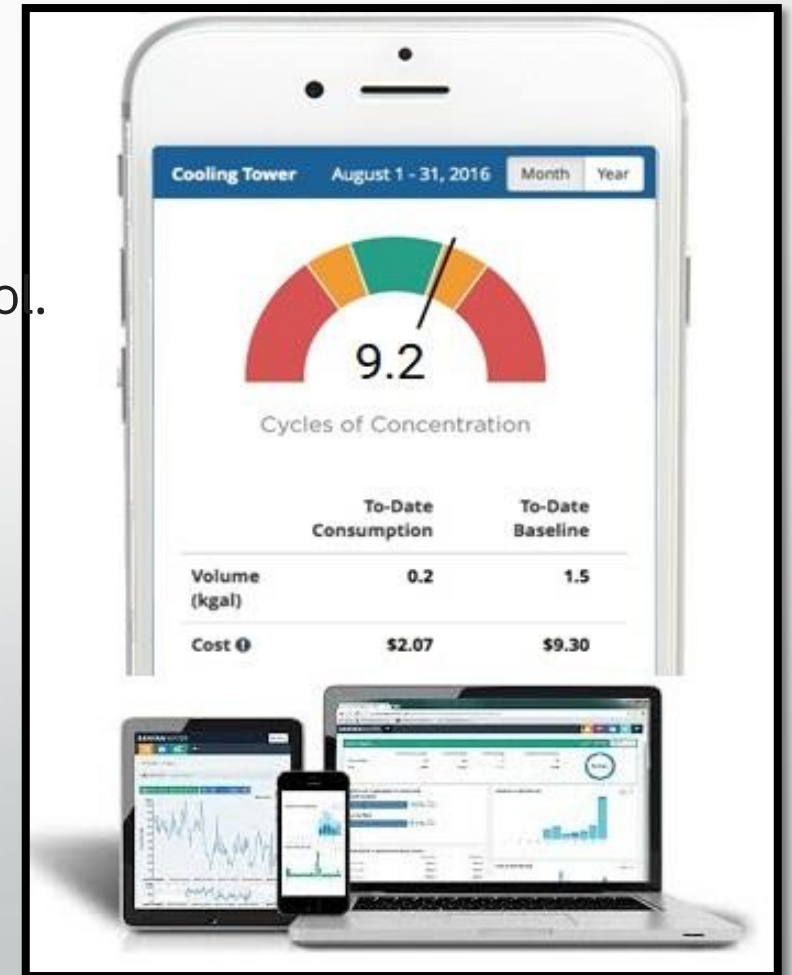


# Background

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.

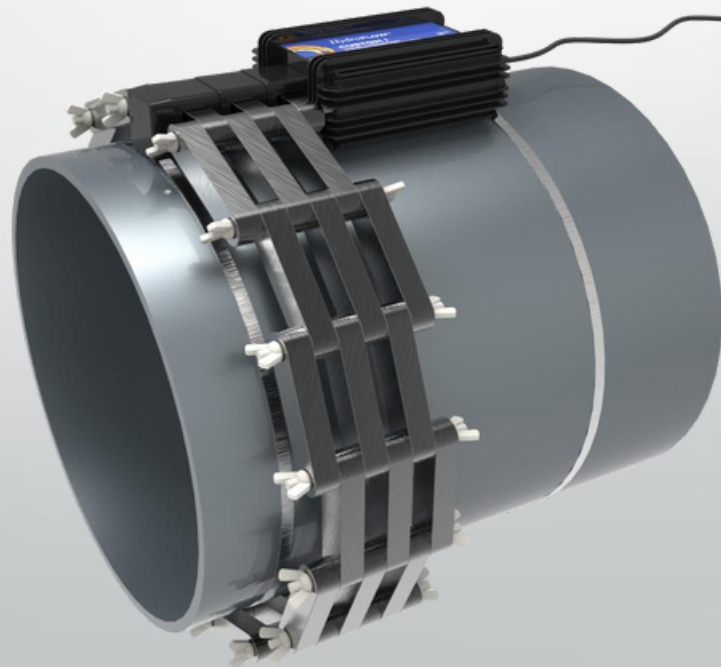
The TWM program includes:

- *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 TWMin other facilities.

## Annual water and energy savings were \$73,400

(A detailed report is available upon request)

