



Multinational Real Estate Firm Continues Sustainability Initiative Via Progressive Technology Investment

BACKGROUND DISCUSSION

A top five international real estate organization with a total portfolio of 247 M square feet in 750 properties located in more than 100 cities worldwide. The firm is a leader in Green Energy Star initiatives as denoted by their active involvement with the US Green Building Council's LEED program. More than 100 buildings of the firm's buildings have been granted this status due to their proactive approach. The organization was looking for sustainable technologies to reduce both water and energy costs.

PATH TO SUCCESS

An initial meeting took place to better understand the end user's blueprint for success. A set of criteria were identified and work commenced on accurately validating the components that defined the goals.

The tools used to quantify operational savings on the 800 Ton chiller involved a utility study and a series of laboratory studies designed to allow trending and consequently validate the process. Comprehensive site service visits were also implemented to assist in the understanding of the system. In addition, a remote monitoring system was also used to not only simplify the process but also shorten the data gathering effort due to real time capabilities.

VALUE IN ACTION

Upon implementation of the **EnviroTower** system, a completed validation study revealed some immediate areas for cost savings that included but were not limited to reduced water use, reduced energy consumption, reduced labor costs resulting in staff redeployment, virtual elimination of chemicals, copper & mild steel corrosion rates well within industry standards and sound control over bacterial growth in the cooling water.

Based on these positive operating parameters and the fact that the ROI on the investment resulted in a payback period of approximately 1.5 years, the organization has decided to corporately roll out the technology across their entire portfolio of buildings as part of their sustainable water treatment initiative thereby maximizing operational cost savings in the process.



Parameter	Savings
Water	\$6,475 (12%)
Energy	\$6,170 (5%)
Labor & Maint.	\$7,920 (60%)
Chemicals	\$9,469 (93%)

EnviroTower™, a clean technology industry leader, provides a proven, reliable solution for maximizing energy and water efficiencies while minimizing environmental impacts of cooling towers. The company enables commercial, institutional and industrial customers to drive down their energy and water costs through a clean, comprehensive water treatment system that delivers consistent, measurable results.

For more details, please visit <http://scalebuster.com/envirotower/>