

Cost Savings and Safety



CLIENT PROFILE

A supplier of energy-efficient and environmentally-sound district heating and/or cooling services to buildings in an urban setting. Serving more than 25 customer buildings, the company provides both district heating and cooling services to a total of 6.3 million square feet of building space. The company produces and distributes steam used for heating, domestic hot water, humidification and sterilization; hot water for space heating and domestic use; and chilled water for air conditioning.

OPERATIONAL CHALLENGE

The goal of updating water treatment services at the company involved a four-tier strategy: improve worker safety through less chemical handling and healthier water systems; conserve energy, including natural gas and electricity; enhance environmental safety by conserving water and minimizing chemical use; and control costs through labor efficiencies and reduced spending on chemicals.

CHEMICAL SOLUTION

Kroff Chemical Company, Inc. engineered a chemical treatment program to eliminate operator handling of biocides and reduce legionella counts in cooling towers, which lessens water corrosion rates and leads to cleaner chillers and reduced energy consumption. Kroff Chemical also reduced the amount of chemicals consumed.

BOTTOM-LINE RESULTS

As a direct result of Kroff's chemical treatment program, the plant achieved 100-percent negative legionella results, and eliminated operator chemical handling. The program ensures clean heat exchange surfaces in chillers; eliminates biofouling, scaling, or corrosion; and minimizes chemical consumption. Overall, the program provides a water treatment cost savings of 50 percent.



Kroff Chemical Company, Inc. provides custom-blended chemicals and specialty services that improve clients' critical water and process system performance, which helps maximize efficiency of operations and lower costs of operation.

Kroff Chemical's services focus on energy efficiency, regulatory compliance, waste minimization and water reuse, fully automated and integrated chemical applications, and a safety-conscious approach.

With the support of Kroff Chemical Company, Inc., facilities operate with less staff, but they operate safely, efficiently and profitably. Clients focus more on their core competencies and look to Kroff Chemical Company, Inc. to treat, operate and maintain their critical water and process systems.