

Using Solid Feeder Technology

CASE STUDY:

CLIENT PROFILES

A university founded in 1851 on a 103-acre campus. The university features 74 buildings and is home to more than 7,000 full-time undergraduate, graduate, part-time and doctoral students.

A co-educational Roman Catholic institution founded in 1842. The university features a 254-acre campus with 69 buildings, and a total enrollment of more than 10,000 undergraduate, graduate and law students.

OPERATIONAL CHALLENGE

The locations of the cooling towers for water treatment at the universities made liquid chemical delivery in pails and drums difficult, time consuming and potentially hazardous.

CHEMICAL SOLUTION

Kroff Chemical Company, Inc. proposed a change in the way the universities deliver chemicals for water treatment by switching to solid feeder technology. The new system allows for solid chemicals to be diluted on site and metered into the cooling water according to the technical requirements.

The system engineered by Kroff Chemical Company, Inc. improves safety, reduces freight costs, decreases chemical distribution time and costs, and improves the technical reliability of chemical feeds.

BOTTOM-LINE RESULTS

Kroff Chemical Company's implementation of a solid feeder system is saving approximately 14.6 percent per year in

- operational costs and significantly reducing the need for employees to handle hazardous chemical containers at each of the cooling tower locations at the universities.

- The switch to solid chemistry also eliminated the need for upgraded liquid containment purchases, which were required at each location. This equated to a one-time savings of several thousand dollars because containment is no longer needed.



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.