

# Capacitor-based Water Treatment

*- Environmental Award -*

*Los Angeles Convention Center*

With 870,000 square feet of floor space, air conditioning is an important part of maintaining operations within the Los Angeles Convention Center. Chillers, cooling towers, and several hundred pieces of equipment all work together to maintain a comfortable environment for both people and equipment.

Traditionally, the 21,000 gallons of recirculating cooling water is treated with chemicals to avoid damaging scale, corrosion, and biological growth. These chemicals are dangerous to handle, and drained water may present a hazard to the environment.

In response, Convention Center staff explored alternatives, and tested a new capacitor-based water treatment method. Instead of using harmful and expensive chemicals, electrically charged rods now prevent bacteria and scale from binding to equipment.

The environmentally safe result has been the elimination of scale and corrosion cleaning, increased employee safety, reduced water consumption, longer equipment life, and annual savings of \$50,000. Congratulations!

