

CHICAGO'S SKYSCRAPER SAVINGS SOAR HIGH

TEKLEEN FILTERS BOOST EFFICIENCY & REDUCE COSTS

SOLUTIONS:

Tekleen installed a self-cleaning filter system with a larger mesh size. This system automatically cleans itself, eliminating the need for manual intervention and reducing labor costs. The larger mesh also removes more debris, protecting equipment and improving overall efficiency.



OVERVIEW:

The 111 South Wacker Drive building, a LEED Gold and Platinum certified skyscraper in Chicago, sought a solution to its inefficient and time-consuming water filtration process. The existing system required manual cleaning multiple times a day, leading to high labor costs and downtime.

CHALLENGES:

- High maintenance requirements: Daily manual cleaning was laborious and time-consuming.
- Inefficient operation: The small strainers clogged quickly, increasing energy consumption.
- Limited debris removal: The small mesh allowed debris to pass through, potentially damaging equipment.

DISCOVER

Tekleen's innovative solutions can revolutionize your water filtration process and promote sustainability. Contact us today for a free consultation and learn how Tekleen can help you:

- Reduce costs
- Improve efficiency
- Minimize waste
- Protect equipment
- Enhance sustainability

RESULTS:



- Reduced maintenance costs: Eliminated the need for daily manual cleaning, saving labor costs and time.
- Improved energy efficiency: Reduced drive speed by 10% due to lower operating resistance, leading to energy savings.
- Minimized water use: Reused cleaned flush water through the dewatering system, reducing water waste.
- Reduced equipment wear and tear: Larger mesh filter removed more debris, protecting equipment from damage.
- Improved building sustainability: Contributed to the building's LEED certifications by reducing water use, energy consumption, and waste.

Information and photos were kindly provided by Mr. Kevin Injeski, Assistant Chief Engineer, JLL Jones Lang LaSalle Americas. The Tekleen installation was supported by the following:

- Anchor Mechanical - Pipe Fitters
- Prime Electric - Electricians
- Johnson Controls BAS/Controls contractor

Automatic Filters, LLC.
2672 S. La Cienega Blvd.
Los Angeles, CA 90034



T (310) 839 2828
T (800) 336 1942
F (310) 839 6878

filters@tekleen.com
www.tekleen.com