



LEADING THE FUTURE OF
LIGHTING + TECHNOLOGY

Transform Your HVAC from Cost Center to Energy Saver

The Energy Drain You Can't See

HVAC systems account for up to 60% of commercial building energy consumption, but biofilm-fouled coils can increase that consumption by an additional 15-30%. This hidden energy tax costs facility managers thousands of dollars annually while creating the perfect breeding ground for bacteria, viruses, and mold that compromise indoor air quality.

Real Results: A National Retailer's 60,000 Sq-Ft Site

This high-traffic retail facility achieved remarkable results with UV-C coil cleaning technology:

- **86,000 kWh annual energy savings** (10.5% HVAC reduction)
- **\$9,500 estimated annual savings** (\$4,000 fan savings + \$5,500 cooling savings)
- **3-year payback** on investment
- **61 metric tons of CO2 emissions avoided** annually
- **4,500 annual cooling hours** at 11 cents per kWh

The facility eliminated the need for manual coil cleanings while maintaining optimal system performance year-round.

Proof That Lasts: 18-Month Performance



Why Facility Managers Choose UV-C Coil Cleaning

UV-C technology provides continuous biofilm prevention, maintaining peak HVAC performance without manual intervention



Energy savings up to 15% with initial improvements typically in the 6-8% range



Eliminates manual evaporator coil cleaning costs of \$200-300 per cleaning



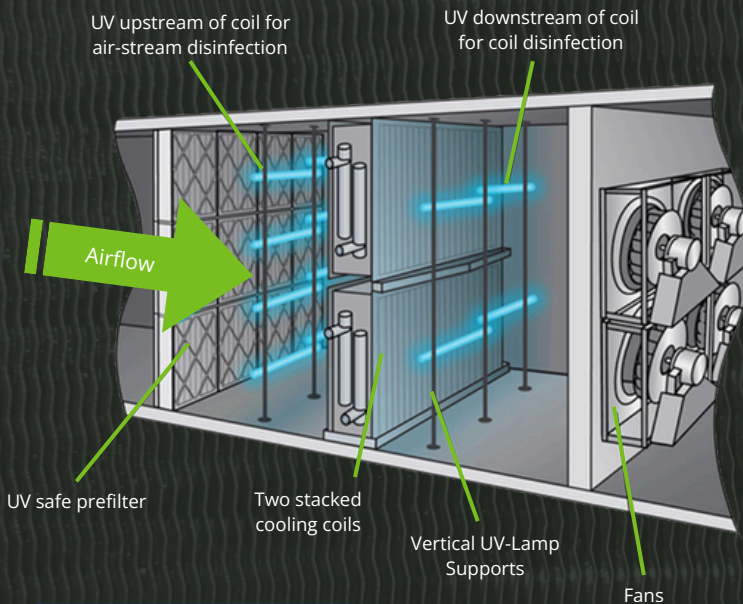
Extended RTU service life with an estimated 1.7 additional years on selected units



Reduced equipment runtime and coil corrosion extending fan, pump, and compressor life

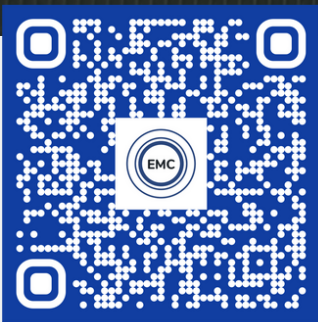


Enhanced Indoor Air Quality (IAQ) with 97% single air pass pathogen deactivation



Simple Technology, Proven Results

UV-C lights installed downstream of evaporator coils continuously prevent biofilm buildup on coils, drain pans and air streams. The system uses standard 3-year lamps and doesn't void warranties.



Start Saving Today!

Contact EMC today for a custom energy savings analysis.

← **Scan the QR code to start planning for HVAC savings!**