



EMC Overview

- Founded in 2003
- Lighting + Technology experts
- World class turnkey approach
- Vendor neutral
- Numerous Fortune 500 clients
- Over 12,000 projects annually

EMC's Business is IEQ

Indoor Environmental Quality (IEQ) is the actual and perceived quality of an indoor space relative to the comfort and wellbeing of the occupants.

EMC has a long history in lighting and has evolved to include disinfection solutions.

EMC's Solutions

- HVAC Coil Disinfection
- HVAC Air Disinfection
- HVAC Air Purification
- Upper Air Disinfection
- Active Air + Surface Disinfection
- Custom Disinfection Solutions

Reduce HVAC Energy Costs

HVAC systems can account for up to 60% of commercial building energy consumption. Biofilm fouled heating/cooling coils can increase HVAC energy consumption by an additional 30%.* Retrofit UV-C coil disinfection systems can effectively eliminate coil fouling and return an HVAC system to its optimum "as-designed" performance.

*Federal Energy Management Program, "Fact Sheet," for U.S. Department of Energy Efficiency and Renewable Energy, May 2005

Biofilm Contaminants Treated



Operational Benefits

- **Enhanced IAQ (Indoor Air Quality):**
Reduced viruses + bacteria + mold + spores + mildew + odors + allergens
- **Upgradable UV-C intensity**
Future pandemic preparedness
- **Elimination of coil and duct cleaning costs**
Labor + chemical cleaners
- **Extended HVAC durability**
Reduced fan/ pump/ compressor runtime + coil corrosion

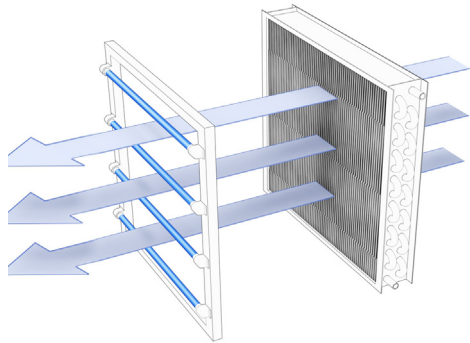
EMC's Total Approach

- Prioritize
- Audit
- Design
- Incentives
- Logistics
- Installation
- Service

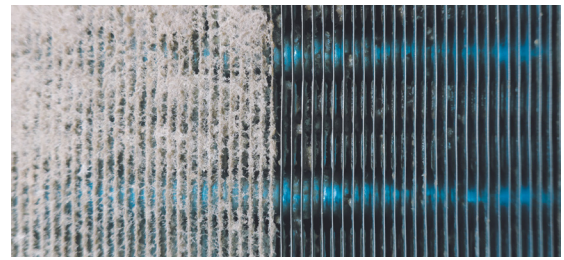




Coil Disinfection



Cooling Coil Fins



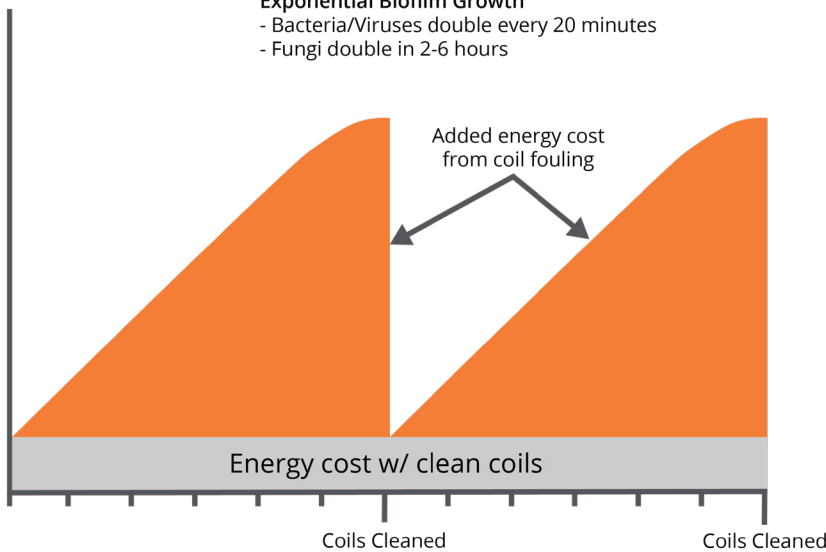
Before UV-C

After UV-C

HVAC Coil Disinfection Cost Savings

Without UV-C Lamps

Exponential Biofilm Growth
- Bacteria/Viruses double every 20 minutes
- Fungi double in 2-6 hours



With UV-C Lamps

