



ELECTROCELL SYSTEMS

3 Patented Technologies Working Together

Industry-changing technology for
cooling tower/chiller/boiler energy enhancement

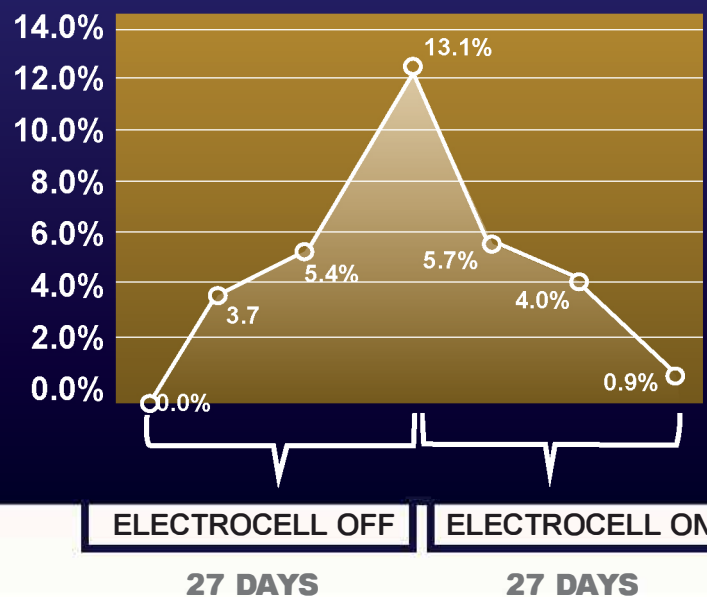


ElectroCell Systems provides customers with their most reliable partner in our people, systems, and in ongoing technical support. Our mission is to enhance Cooling Tower, Chiller, Boiler operation by reducing your energy and water consumption. ElectroCell Systems has been perfected by nearly two decades of R&D and validated by hundreds of field installations. Our success is built on more than 40 years experience as an energy management, building automation, and control system contractor with a focus on ElectroCell Systems since 1997.

Improving Profit Margins for Facility Management

Fully Automated skid mounted, side-stream particle precipitator designed to enhance the overall operation of HVAC – Chillers/ Cooling Towers and Boilers resulting in multiple benefits for the Facility Management Team; reduced risk of Legionella and Bacteria concerns, reduction of cost in maintenance, service and repair expense.

**“ElectroCell Systems Improved Heat Transfer Efficiency”
Chiller's kW/Ton % Over Baseline**



- **Reduce** up to 98-99% of suspended solids
- **Save** on the cost of **repair and service** and **decrease** the need for routine **maintenance**
- **Decrease** risk of **bacteria**, including **Legionella**
- **Achieve ROI** in as little as **2 years**

- **Reduce water** use by **20-30%**
- **Increase thermo transfer**
- **Reduce chiller energy** use by **12-15%**
- **Enhance chemical effectiveness**
- **Improve environmental impact**

Our Product: **removes suspended particles, reducing risk of bacteria and improving heat transfer efficiency**

ElectroCell Systems' stainless steel particle precipitator is a fully automated, low flow/high continuous micro cleaning process with low maintenance needs and fully automated BAC Net Processor. The development of our innovative system reduces evaporation rates, saving up to 30% of make-up water. ElectroCell removes Total Suspended Solids (TSS) and controls Total Dissolved Solids (TDS) in medium to large HVAC and Process cooling systems.



Cleaner is Greener!

CASE STUDY:

99.702% Reduction of suspended particles down to one micron

Sediment collected from seemingly clear water shown in photo to the left.



BEFORE ELECTROCELL SYSTEMS

Most cooling tower water appears clear



AFTER ONE DAY OPERATION

Concentration collected in static mixture

Total 24 Month Savings = \$203,245

WATER SAVED 4,710,571 Gallons \$ 56,527

ENERGY SAVED 1,833,973 KWH \$146,718

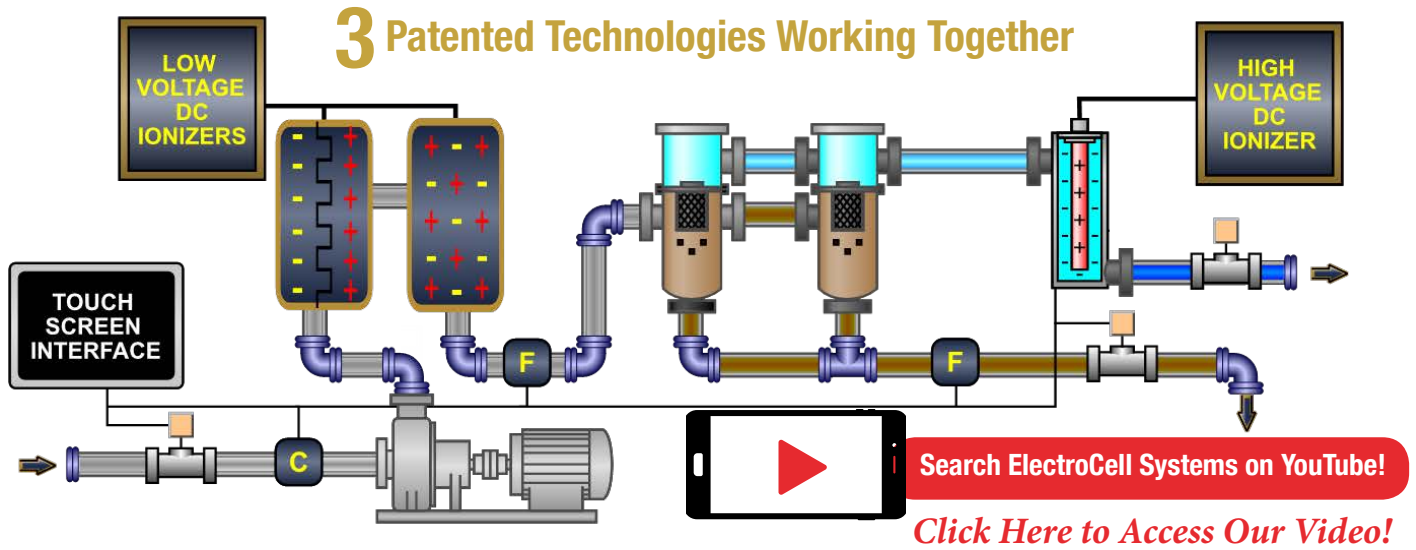
The Industries We Serve

- Manufacturing Facilities
- Pharmaceutical Plants
- Hospitality
- Public Buildings
- Health Care
- High Rise Residential Condos
- Office Buildings
- Education
- State & Federal Government
- Data Centers
- CoGen Plants
- Casinos & Convention Centers

Advantages and Benefits

This truly innovative, patented side-stream (particle precipitator) increases efficiency of HVAC water systems in commercial, industrial and institutional facilities. It addresses open and closed loop chiller/cooling tower applications and boilers. A simple and efficient installation saves time and expenses.

ElectroCell Systems enhances your existing chemical program, especially the halogens that are associated with controlling bacteria growth, including Legionella.



Energy Savings

Increasing thermo transfer and system efficiency will net an average energy savings of 12-15%



Better Payback

Validated ROI of 24-30 months, plus continuous year-after-year savings



Simple Installation

Simple installation with minimal down time– typically less than 2 business days



Water Savings

Reduce make-up water by 20-30% by increasing equipment efficiency, focusing on evaporation rates rather than extending bleed cycles



Enhances Chemicals

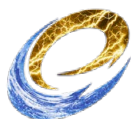
Optimize chemical performance by removing 95% of suspended solids down to one micron and controlling total dissolved solids throughout the system



Maintenance Savings

A clean system will reduce much of the equipment maintenance and extend equipment life cycles

We are confident we have a solution to your cooling tower, chiller and boiler problems. With an average ROI in two years or less, ElectroCell will pay for itself in savings many times over. Contact us today for your complimentary site survey, and see the tremendous impact that ElectroCell can have in your water and energy savings.



**ELECTROCELL
SYSTEMS**

**CONTACT COONEY TO LEARN MORE
(610) 783-1136 | SALES@COONEYCOIL.COM**