



# Safeguard Your Compliance with ElectraMet

Introducing the  
**ElectraMet™**  
Solution



**ElectraMet™**










**ElectraMet harnesses the power of carbon electrode technology to remove heavy metals from water. Through its automated system, ElectraMet safeguards your compliance so you can focus on the core of your business.**

The ElectraMet™ solution offers scalable systems with cartridges to remove metals from industrial wastewater and process water. The ElectraMet cartridges are carbon-based electrochemical filters that use small voltages (< 2 V) in an active filtration process to target metals with > 99% selectivity. The ElectraMet cartridges remove metals from water streams and do not produce a sludge by-product while achieving 100% water recovery and **yielding cost reductions of up to 90%**. Metals can be removed to meet environmental regulations, recycled, or recovered in high purity.

## Lead-Acid Battery Manufacturer Case Study

Acid Neutralization & Chemical Coagulation	Sludge 	Influent (Pb, ppm) 	Effluent (Pb, ppm) 	Footprint (square feet) 	Weekly Labor (hours) 
	Yes	5	0.35	1,000	20
<b>ElectraMet</b>	<b>No</b>	<b>5</b>	<b>0.06</b>	<b>20</b>	<b>2</b>

ElectraMet Reduced OpEx by 76%

### Features & Benefits

- ◆ Safeguard Your Compliance
- ◆ Automate Your Process
- ◆ Lifetime Support of Your System
- ◆ Energy Efficient (< 0.1 kWh/m3)
- ◆ Small Footprint
- ◆ Precise Metal Removal
- ◆ Predictable Monthly Costs
- ◆ High Temperature Tolerance\*

\*Options available up to 60°C, please inquire

### Applications

- ◆ Battery
- ◆ Semiconductor
- ◆ Automotive
- ◆ Electroplating
- ◆ Metal Finishing
- ◆ Mining

24 <b>Cr</b> Chromium 51.9961	47 <b>Ag</b> Silver 107.868	48 <b>Cd</b> Cadmium 112.414
29 <b>Cu</b> Copper 63.546	82 <b>Pb</b> <b>Lead</b> 207.2	25 <b>Mn</b> Manganese 54.938
46 <b>Pd</b> Palladium 106.42	27 <b>Co</b> Cobalt 58.933	79 <b>Au</b> Gold 196.967