

Compact Modular Chemical-free Wastewater Solutions



An Electrochemical Water Treatment Company

**40% Lower OPEX. Zero Chemicals. 200x Faster
Electrochemical Treatment for Wastewater and Cooling
Towers Water**

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Why Lambert



Every effluent is different. Our reactor is not. The Water Battery™ is a patented oscillating-electrode electrochemical reactor. It treats wastewater with current instead of chemicals, in seconds instead of hours. It retrofits into an existing STP, ETP or cooling tower to restore compliance and raise hydraulic capacity, or runs as a complete modular plant from 5 KLD to 5,000 KLD.

One size does not fit all, but one reactor can.

How it Works



1. Wastewater enters the reactor.

2. Current dissolves the electrode; the ions bind pollutants into flocs and oxidise refractory organics.

3. Flocs settle or float; filtration polishes.

4. Treated water leaves for reuse or discharge.

Market we Serve

Engineered for India's Toughest Industries



Sewage & Laundry



Textile



Pharma



Cooling Tower Blowdown



Chemical



Distillery



Metal



Oil & Gas

Pollutants we can Remove

Organics: recalcitrant COD, colour, oil and grease, pesticides, PFAS. Metals: hexavalent chromium and other heavy metals. Inorganics: fluoride, bromide, sulphide, cyanide, phosphate, ammonia, nitrogen, hardness. Microbial: pathogens including E. coli.

Lambert Products

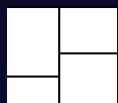


Water Battery (5-5000 KLD)

Electrochemical reactor for industrial and municipal wastewater. Ready to install. Retrofits into existing STPs and ETPs and can raise hydraulic capacity.



Treatment in
Seconds
200X Faster



≤75% Smaller
Footprint



≤ 40% Lower
Opex



≤80% Handle load
swings



Zero Chemicals,
upto **70%** Less
Sludge

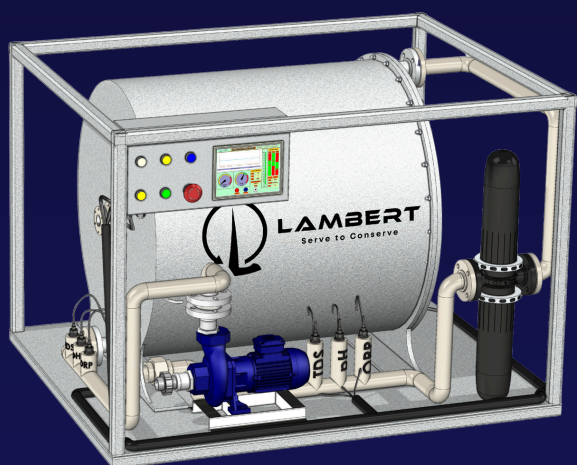


Upto **70%** Lower
Passivation



Lamcell (100-7500 TR)

Electrochemical side-stream reactor for cooling towers. Controls scaling and biofilm without chemicals. Ready to install.



60% Blowdown Reduction

2x Higher COC

50% Scaling Reduction

30% Better Heat Transfer

20% lower cooling energy

NiL Chemical Free

Lambert Sense



IoT-based platform with data-feedback
control with predictive optimisation
for hassle-free operations

Real-Time Sensing

Remote optimisation

Automated-friendly

Predictive maintenance

Case Study

	Time	Energy	Before (COD)	After (COD)
Sewage	52 Seconds	0.4 KWH/kl	432 mg/l	37 mg/l
Textile	130 Seconds	1.4 KWH/kl	1320 mg/l	218 mg/l
Pharmaceutical	380 Seconds	2.8 KWH/kl	7560 mg/l	1853 mg/l
Chemical	410 Seconds	3.7 KWH/kl	60668 mg/l	11350 mg/l

Award-Winning innovation



WINNER CLIMATE
CHALLENGE, **SHRI PIYUSH
GOYAL**



PRESENTED TO **SHRI OM
BIRLA**



WINNER **SOIC, 2025,
SINGAPORE**



WINNER CLIMATE
INNOVATION, **SDI 2025**

Call to Action

Book a site assessment or pilot unit



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