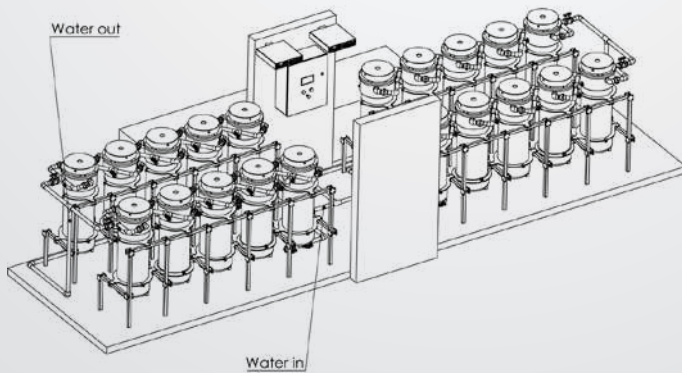




Smart solutions for the management of nutrients and micropollutants in water and wastewater.

ECOTHOR^{MD}

E2Metrix offers a unique technology solution for the treatment of municipal and industrial water and wastewater streams to advanced tertiary quality levels. Leveraging its proprietary ECOTHORTM electro-technology platform and deep-domain expertise, E2Metrix delivers reliable, effective and affordable solution for the reduction or elimination of targeted pollutants and micro-contaminants.



ECOTHOR is a modular system that can be installed either in series or in parallel, depending on our client's requirements.

HOW DOES IT WORK?

Our solution uses a finely-tuned DC current supplied to a set of exclusive and patented anodes and to one or more cathode(s). The selection of the anode composition and our extensive knowledge and experience in electro-chemistry allows us to treat a wide range of colloidal fluids. ECOTHOR can be used to remove contaminants such as phosphorus, ammonia, heavy metals, FOGs, TSS, and BOD₅ and COD with proven efficiency and at competitive price. We offer three models : ECOTHOR-6R, ECOTHOR-8R and ECOTHOR-16R.

DIMENSIONS	Diameter	Height	Working Height	Dry Weight
ECOTHOR-6R	210 mm	1200 mm	2 200 mm	26-30 kg
ECOTHOR-8R	260 mm	1200 mm	2 200 mm	46-59 kg
ECOTHOR-16R	485 mm	1300 mm	2 200 mm	150-190 kg

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CLEAN & GREEN

ELECTRO-TECHNOLOGY

PERFORMANCES

Contaminants	Removal	Best Results
Total Phosphorus	<99%	<0.01 mg/L
Ammonia Nitrogen*	95%	<0.5 mg/L
FOGs	99.7%	0.7 mg/L
Heavy Metals	96%	0.007 mg/L
TSS	<99%	4 mg/L
Coliforms	99.99%	<10 UFC/100 ml

*Simultaneous reduction of ammonia nitrogen and of phosphorus (Strutive).

BENEFITS

- No use of chemicals
- Compact & Modular Skids (containerized WWT)
- Fully Automated & Remote Monitoring
- Low Maintenance & Minimal Operator Attention
- Automated and remote control
- Sludge Minimization & Stabilization
- Enables Nutrient Removal and Recovery
- Reduces greenhouse gas emissions compared to conventional coagulation-flocculation practices

SYSTEM CAPABILITIES

- Exceptional Phosphorous Removal Performance (0 Phosphorous Target)
- Removal of Ammonia Nitrogen through struvite precipitation (patented process)
- Removal of complex organics (e.g.: Ethylene Glycol, Fluoride, PAHs)
- Can be used to target multiple contaminants simultaneously
- Removal of various pathogens



Plug and Play treatment using sustainable and economical approach with Game-Changing patented technologies.



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