



# ECOLINX MLC TECHNOLOGY

for Wastewater Treatment

# ABOUT RAISE



**raise**  
GLOBAL SERVICES

Raise Global Services provides waste to energy and water solutions for all types of municipal and industrial wastes in collaboration with the leading technologies in the world. Our goal is to eliminate environmental and industrial waste problems with ZERO emissions and ZERO environmental impact.

# Introducing: ECOLINX MLC TECHNOLOGY



## for Wastewater Treatment

Magnetic Clarification Technology has been available for many years however the effective flow rate has been limited to Max 500 GPM. With our patent pending technology we provide system capacity up to 5,000 GPM per modular unit.

Our ECOLINX MLC System is a high-speed magnetic clarification system that removes suspended solids from water. Our technology uses ballast clarification which is attaching fine particles attached to a heavy material called magnetite along with a flocculating polymer. The flocculant is then removed with our patented technology at a rate that requires 1% of the time of traditional wastewater systems.



# BENEFITS OVER OTHER TECHNOLOGIES



Overcomes limitations of ALL other wastewater treatment systems

- SPEED
- Relieves land restrictions
- Low overall capital costs
- Logical phased approach to new system implementation
- Extends lifecycle of current systems
- Low operation costs
- Limited Maintenance required



# BENEFITS OVER OTHER TECHNOLOGIES



## Modular Units: Fixed or Mobile

- “Plug and Play” solution exceeds capacity of all other systems
- System mobility will address new or legacy pollution sources
- Equipment customized to current and future water flow rates

## Resource Recovery Options

- Removes the financial and environmental burden of sludge disposal
- Modular system facilitates sequential perception of heavy metals and inorganics in TSS



# SOLUTION

---



MLC technology clarifies water in minutes (not hours) and is the future of wastewater and water treatment.

Our OPEX costs are 100% inclusive: power costs, additives, labor, replacement parts, maintenance-service and controls.

**At \$0.03 USD /cubic Meter – with flow rate of 300LP.**

**Solution for: Color, Turbidity, BOD, Chromium, and more.**

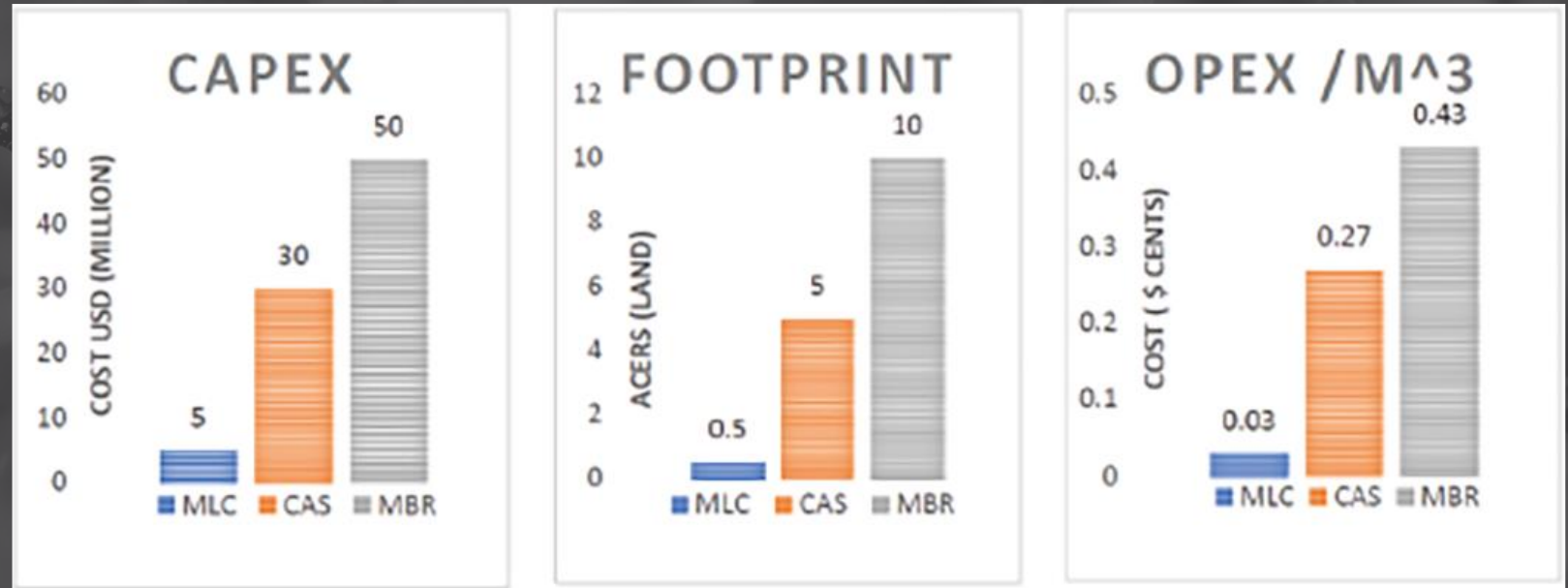


# COMPARISON



Based off current (least expensive CAS – Activated Sludge and costly MBR – Membrane Bioreactor) technology:

- CAPEX < 75% construction
- OPEX < 25%
- Land usage 1:20
- Mobile and scalable
- Reliable
- Long-term saving
- And more



# COMPARISON



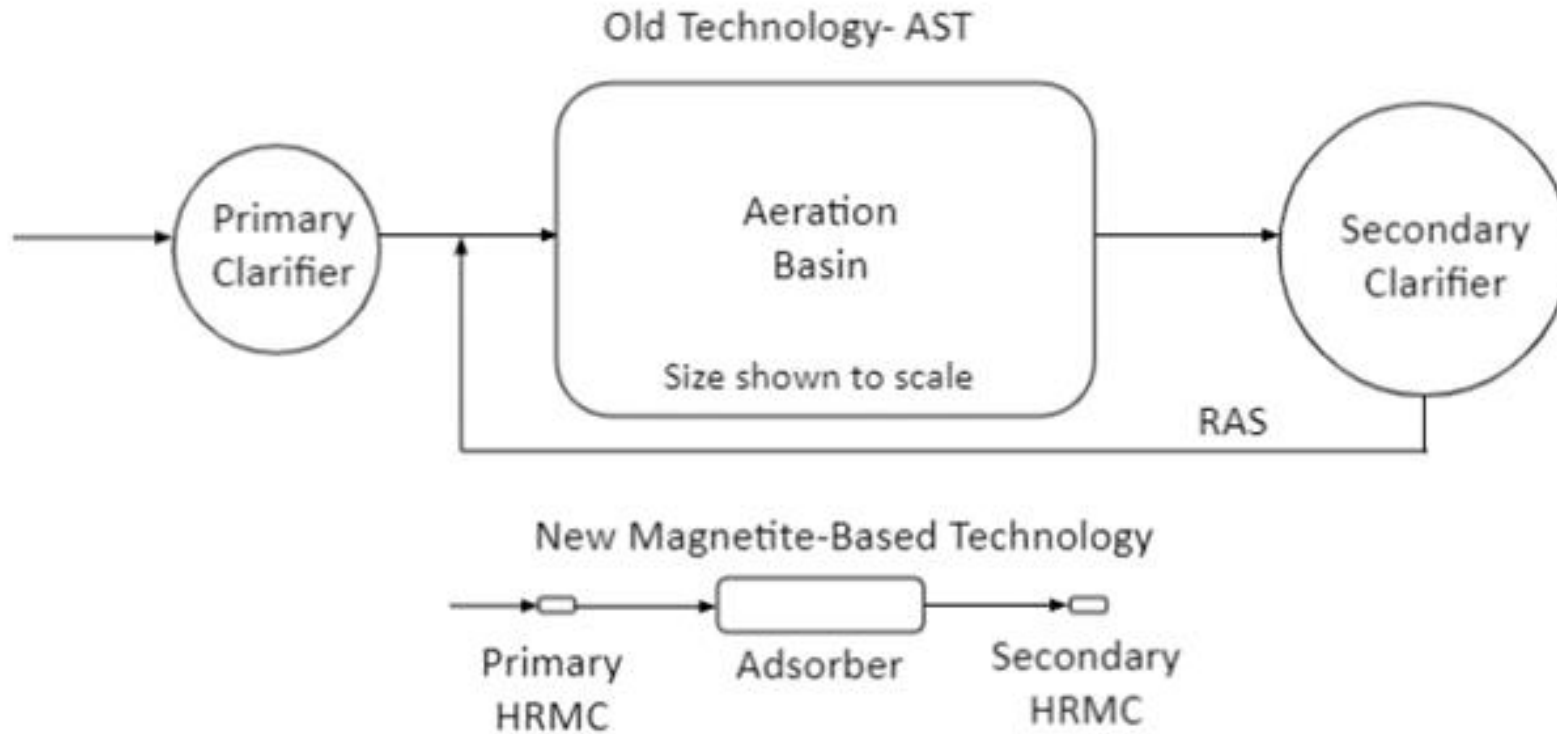
Comparisons	RECLAIM Water MLC	Microfiltration	Clarifier/Sand Filter	Ion Exchange
Capital Costs	Medium	High	Medium	High
Operating Costs	Low	High	Low	Medium
Size	Small	Large	Large	Medium
Reliability	High	Medium	Medium	High
Fouling	Low	High	Medium	High
Solids Limits	High	High	Low	Low
Pumping	Low	High	Low	Medium
Cleaning	Low	High	Medium	Medium
Power Use	Low	High	Low	Low
Absolute Filtration	No	Yes	No	No
Flow Drop-off	No	Yes	Yes	Yes
Pressure Drop	Low	High	Medium	Medium
Sludge Volume	Low	Low	Medium	Medium



# FOOTPRINT



## Activated Sludge Technology (AST) vs. Our HRMC Technology (15 MGD WWTP)



# PRODUCTS

---



Product line includes three volumetric flow sizes – to fit majority of industrial water clarification needs:

- a. Model 0105 – Max. capacity of 500 GPM (30 LPS) – Can be portable!
- b. Model 1020 – Max. capacity of 2,000 GPM (120 LPS)
- c. Model 3060 – Max. capacity of 5,000 GPM (300 LPS)

Field testing of our technology shows results >90% reduction in sanitary wastewater turbidity. Applications vary from industrial point source to existing and new housing developments and sewage treatment.





DISCLAIMER: This presentation is intended only for use by RAISE Global Services. No copy or use of this presentation should occur without the permission of RAISE Global Services. RAISE Global Services retains all intellectual property interests associated with the presentation. RAISE Global Services makes no claim, promise, or guarantee of any kind about the accuracy, completeness, or adequacy of the content of the presentation and expressly disclaims liability for errors and omissions in such content.

RAISE Global Services, LLC is a company whose charter and vision is to add social impact to the core values of profitable business in every business sector: finance, construction, energy, manufacturing, economic development, and trade. Under the "RAISE" umbrella, we are prepared to bring solutions to the table that can help make the vision of a healthier and more prosperous world a reality. Visit [www.RaiseGlobalServices.com](http://www.RaiseGlobalServices.com) to learn more.



**raise**

WATER AND  
WASTE

**THANK YOU!**

+1 678.331.5548 | [info@raiseglobalservices.com](mailto:info@raiseglobalservices.com)