



# Industrial Aeration Solutions™

An Aeration  
for **Life™** Concept

# Energy **\$**avings

---

**kWho** can provide complete Industrial Aeration Solutions?

**kWhat** are your options to reduce energy use and total life cycle cost?

**kWhere** can you find help with evaluations, maintenance, & performance?

**kWhen** can you expect to see a Return on Investment?

**kWhy** wait when you could have up to 50% energy savings!?

---

“Aeration is the most energy intensive operation at a typical wastewater treatment plant. A small increase in aeration efficiency can result in substantial savings.”



**Industrial  
Aeration  
Solutions™**

# Evaluation

## Technology Expert

EDI serves as a reliable experienced resource for aeration expertise that is technologically independent. In that capacity we can fill a technology gap not necessarily available from consultant engineers, operators or site engineers. You can be confident that EDI's over 35 years of experience can solve your aeration challenges.

## Equipment System Upgrade

The extensive product mix offered by EDI means we can generally provide you with alternative solutions, allowing you to select the one that best fits your specific defined needs. This can result in making your system upgrade easier to install, maintain at an efficient level, and monitor during operation – all resulting in operation confidence. EDI also provides installation services, if required.

## Aeration Basin Optimization

EDI can help identify inefficiencies in your aeration system and within the aeration basin, with resultant improved operational control.

## FTUs/Forensic Testing

Specific expertise available from EDI helps to identify how your current diffusers are performing in your process. In addition, we can show you how to best maintain your diffuser system and obtain maximum life from the membranes. Materials, coatings and frequency of cleaning are all factors EDI can analyze.



# Execution

## Increased Plant Productivity

Thorough analysis by EDI can generally allow increases in your production capacity by treating higher concentrations or increasing volumes of process wastewater without altering the dimensions of your aeration basin.

## Equipment Rental

EDI can supply an engineered system to meet all your application needs based on a monthly fee. This can provide you options to upgrade your aeration system without requesting capital expenditure budgeting and ROI justification. Programs can be tailored to meet your needs ranging from equipment only to a full maintenance and performance guarantee of the aeration system.

### TESTIMONIAL

“We recently had a basin upgrade and worked with EDI using their assistance in design and installation. In addition to technical assistance, EDI gave us great support throughout the project. We intend on using EDI for our future aeration needs, and highly recommend them. Great products coupled with great customer support makes for great results!”

— **Thomas Smith**

Engineering Technician  
Mars



Inefficient - Used/Fouled



Efficient - New/Clean



# Maintenance

## Product Support for Most Brands

EDI can provide a complete line of replacement membranes for most brands including: Aquarius™, Sanitaire™ (Xylem™), Schrieber™, Rehau™, Aqua Aerobics™, Parkson, Nopol™, US Filter™, SSI™, Ecologix™, Gummi Yeager™, Aercor™, GVA™, OTT™ and more!

## Membrane Cleaning Service

EDI's highly qualified and experienced personnel provides a turnkey solution that includes all the equipment, chemicals, trained operators and licensing needed to clean your system.

## Tailored Maintenance

EDI offers a special service that will assume full maintenance responsibility. This also can help ensure you get maximum efficiency and life expectancy from your membranes.

## Part Replacement

EDI serves as a "one-stop" supplier for most brand neutral membrane diffusers and replacement parts through our Diffuser Express™ division. See more at [www.diffuserexpress.com](http://www.diffuserexpress.com).

## Energy Savings

We have a well established history of saving companies money through lower operating costs. EDI focuses on providing aeration systems that are optimized to your needs, and that includes taking into consideration your ROI.



# Peace of Mind



Environmental Dynamics International Headquarters

EDI has provided a vast variety of industrial solutions to numerous companies such as: Chevron, International Paper, Kimberly Clark, Leprino Foods, Mars, and many more.

**Energy Savings:** Reducing operating costs can realize significant energy dollar savings - *up to 50%!*

- Peak Operating Efficiency
- Return On Investment
- One stop solutions for all your aeration needs

**Peace of Mind:** Consider how EDI can assist uptime and efficiency with your aeration system.  
*Fully Serviced:*

- Mechanical Integrity
- Peak Performance
- Max Capacity
- Experienced Staff

## Contact EDI or your local EDI representative



Environmental Dynamics International  
5601 Paris Rd.  
Columbia, MO 65202 USA  
P: (+1) 877-EDI-AIR8 (334-2478)  
F: (+1) 573-474-6988  
[www.wastewater.com](http://www.wastewater.com)