



# Environmental Dynamics International

## Introducing Symphony™

### A Technology Suite by EDI

Wastewater treatment technologies in concert for total Plant/Utility optimization.

#### 1. EDI – Plant/Utility Facility Opportunity Analysis

Initial survey of plant or facility for investment opportunities in biological treatment process infrastructure. EDI efficiency analysis covering energy, CO<sub>2</sub> or greenhouse gas, plant operations, process equipment, and long term operations.

#### 2. Existing (Plant/Utility/Facility) Process Optimization

Maximum performance and opportunity savings from manually tuning and optimization of existing plant/utility infrastructure. Optimization of existing operations and unit processes delivers quick initial benefits and defines long term benefits and opportunities.

#### 3. EDI – PAL™ Control System Design/Application and/or BIOS™ control for BNR.

Review and upgrade plant process control infrastructure utilizing Predictive Aeration Logic algorithms and controls to minimize energy use and deliver improved treatment performance with energy savings of 10-25%.

#### 4. Plant/Utility Aeration System Upgrades

A full analysis of existing in basin aeration mixing hardware then implement a program to, refurbish and optimize for energy savings, process gains and operational excellence. Energy Savings of 20 to 40% typical.

#### 5. Blower Rationalization Services

Total system analysis and optimization activities will lead to major changes in air volume, allowing or requiring rationalization of blower capacity, operating range, or efficiency. Blower optimization as part of total energy/process upgrade can produce additive energy savings of 15% - 30%.

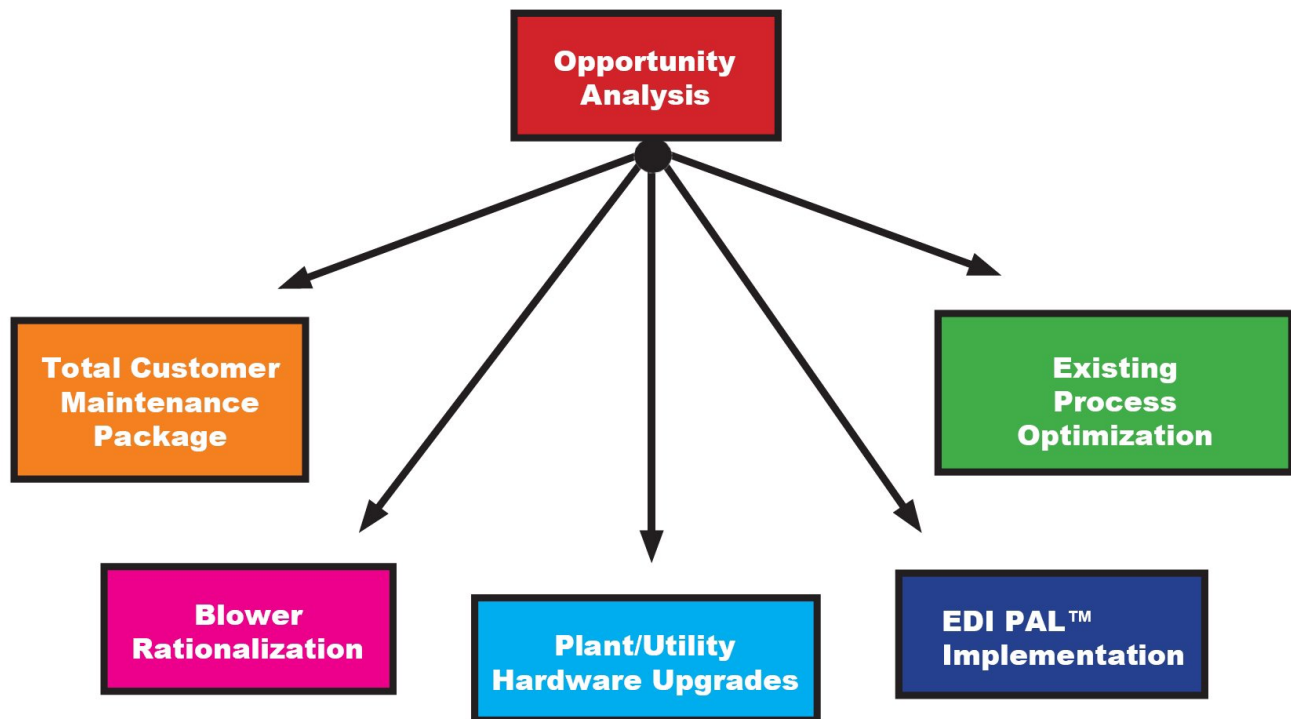
#### 6. Total Customer Package

For continued Plant/Utility optimum performance, the total biological system and Plant/Utility infrastructure must be monitored with programmed maintenance or fine tuning adjustments. Maintenance contracts offer investment opportunities in support of total plant operation efficiency.



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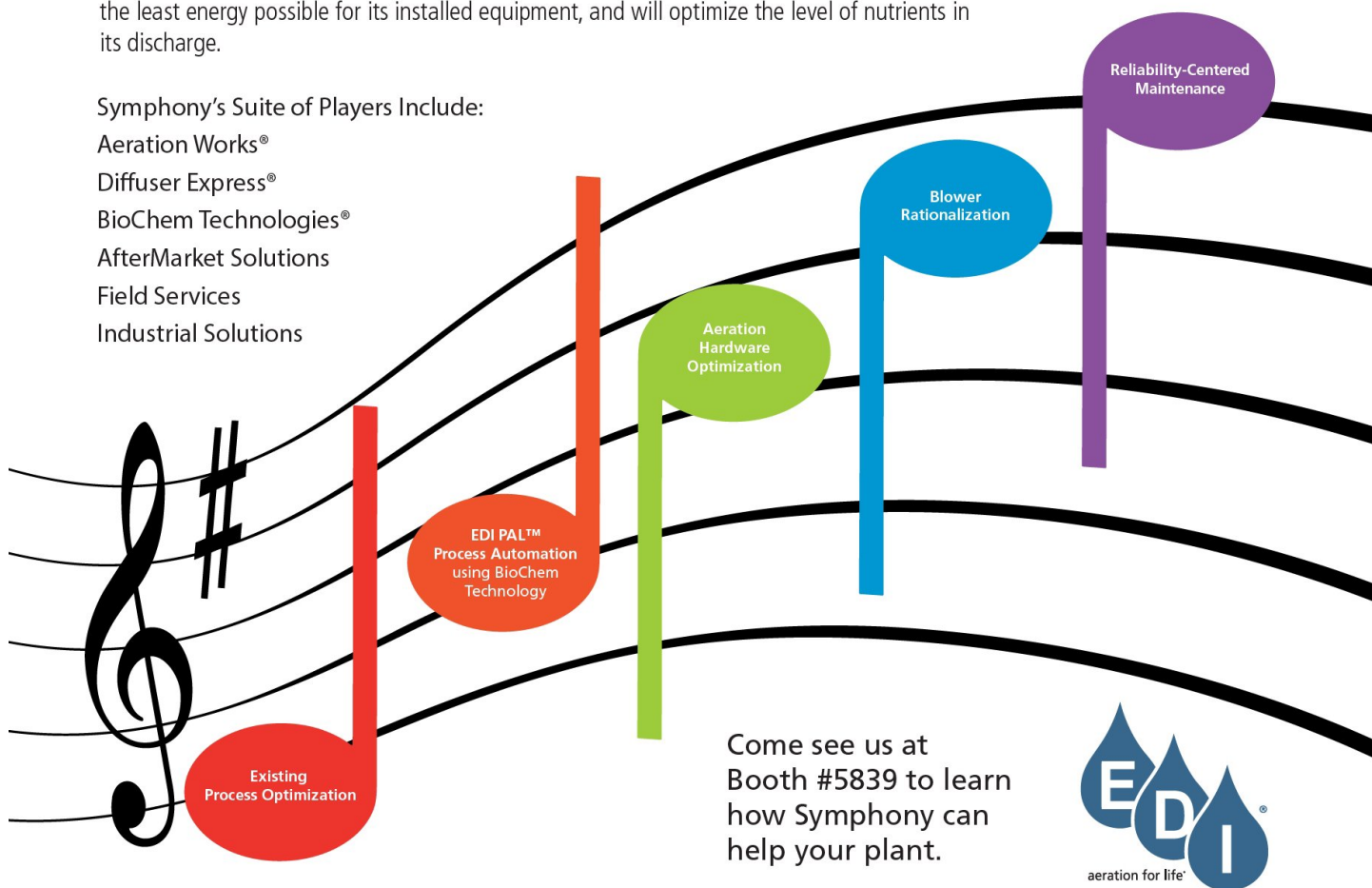
## A Technology/Service Suite to Harmonize Your Wastewater Treatment Process!

Symphony™ is a suite of technology and services that optimize your wastewater treatment operation. Symphony interweaves digital intelligence with masterful know-how and technology, to deliver unmatched levels of performance in energy conservation and management for every plant.

Under the direction of Symphony, each facility will operate at peak process performance using the least energy possible for its installed equipment, and will optimize the level of nutrients in its discharge.

### Symphony's Suite of Players Include:

- Aeration Works®
- Diffuser Express®
- BioChem Technologies®
- AfterMarket Solutions
- Field Services
- Industrial Solutions



Come see us at  
Booth #5839 to learn  
how Symphony can  
help your plant.

