



**RDA** RESOURCE  
DEVELOPMENT  
ASSOCIATES  
**We Power Business**



## **TRITRON**™ The latest breakthrough technology & future of wastewater recovery.

Tritron® is a patented core technology for advanced water recovery, leveraging principles of molecular physics to achieve Zero Liquid Discharge (ZLD) and Zero Discharge of Hazardous Chemicals (ZDHC). By applying specific resonant frequencies, Tritron disassociates contaminants at the atomic level, enabling the extraction of clean, reusable water from even the most challenging wastewater streams.

*From waste  
to profit.*

The resulting sludge is non-hazardous and offers potential for resource recovery, supporting circular water economy goals. Tritron has demonstrated proven success in removing heavy metals and complex compounds without the use of chemical or biological additives. This breakthrough technology delivers high-performance ZLD and ZDHC with a low Total Cost of Ownership (TCO), making it a truly sustainable and scalable solution.

### **Low Power Consumption**

requires low power  
(approximately 6 to 12 kWh/m<sup>3</sup>)

### **Fully Automated**

operates with minimal  
human intervention,  
reducing O&M costs

### **Small Footprint**

requires less space  
compared to conventional  
technologies

### **Zero Chemicals or Microbes**

eliminate reliance on costly  
additives for treatment

### **Non-Hazardous Sludge**

eliminate hazardous sludge  
disposal costs

### **Modular & Retrofittable**

can be expanded for future  
capacity & fit to existing  
infrastructure

### **Conserve Water In & Out**

reduce water purchasing &  
discharge costs

### **Regulatory Compliance**

mitigate risk of  
environmental violations  
now & in the future