



@ozone

# Ozone Technology For Air & Water Treatment

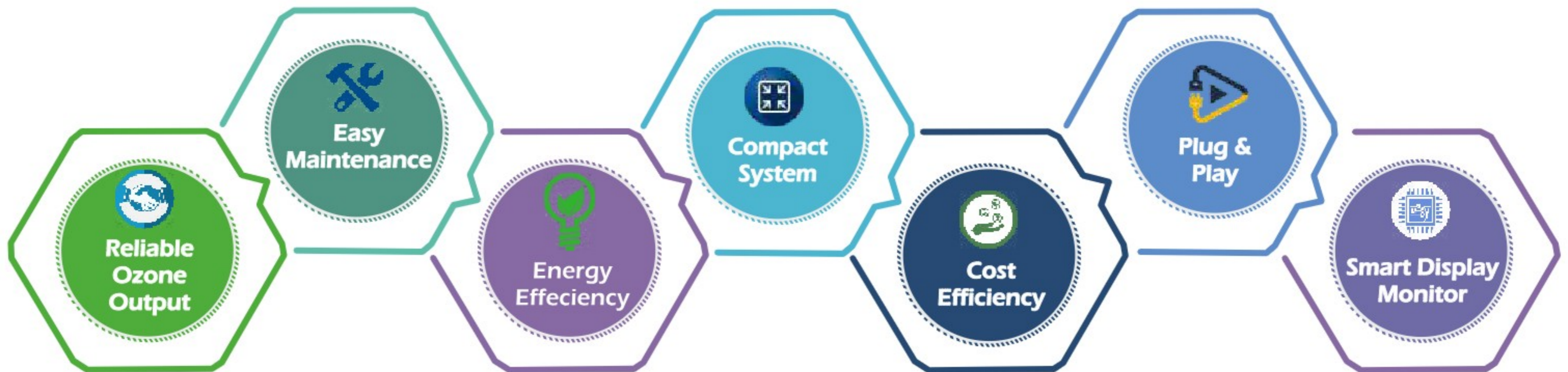


- 💧 Green Technology
- 💧 Chemical Free Process
- 💧 100% Disinfection
- 💧 Natural Oxidizer
- 💧 Eliminates Chlorine Usage
- 💧 No Water Wastage
- 💧 3D Process  
(Disinfection, Decolorization & Deodorize)



[www.ozoneengineers.com](http://www.ozoneengineers.com)

# Why Ozone Engineers



## Reliable Ozone Output

Our Ozone Generators are designed for use in the air & water treatment. These ozone generators produce ozone from dry air (or) oxygen meaning only compressed air / oxygen and electricity are required for operation. Ozone Engineers are the most reliable and robust ozone generators in production today. These generators are well built and reliable, allowing them to provide you with many years of operation.

## Monitoring & Control

Based on reliable electrical and instrumentation technologies cultivated over many years of experience, we offer optimal monitoring and control systems. Remote monitoring of your water and wastewater treatment systems in the cloud you can see live operating information. Water Level Pump activity Energy Consumption Alarm and Reports via email or SMS

## Precision Engineering

Precision engineering is the discipline of designing a machine or instrument so it can maintain, measure, or move to a position or follow a path with a level of accuracy that is many orders of magnitude smaller than the size of the machine or instrument itself.

Our performance testing on your ozone generator will give you definitive answers.

Our engineers will work with you to fully understand your requirements and offer you the best solutions.

## Easy Maintenance

Our ozone generator not require any consumables items. It's very easy to replace spare parts and maintenance work. Our ozone system corona discharge module (Ozone Cell) easy to replace / rebuild. The follow routine preventive maintenance schedule as per our user manual.

## About Ozone Engineers

Ozone Engineers is one of the leading manufacturer of Ozone Generators, Oxygen Concentrators, ozone accessories and allied product based in Tamilnadu, India, established in 2012. We exports our products and their services to more than 35+ countries.

*"we unite to make the world better"* is the underlining moral for Ozone Engineers to continuous improvement of engineering research, customer satisfaction, top quality products, clean manufacturing practices and best after sales and services.

As a owner-managed company, we strive for a sustainable and growth oriented development. The customer is our focus. Ozone engineers are characterized by quality thinking, innovative strength, efficient process and responsibility. The pursuit of excellence in all areas is our driving force. The close partnership with our customers is the foundation of our success. We are convinced that with these strong values we will achieve our goal.

We manufacture the lowest cost, highest quality ozone products by utilizing diverse application expertise to serve multiple markets while maintaining the optimum balance of innovation, quality, cost, safety and ozone efficiency.

**We manufacture Ozone Generators ranges from 500mg to 2 KG machine for various water and air applications.**

**In 2018** we have launched our own technology Industrial Oxygen Concentrator ONG Series of 5 LPM & 10 LPM and supplying to many customers with good satisfactory results.

**In 2020 the world was terribly affected by covid-19**, Ozone Engineers has introduced **3 core products** to overcome and to be safe by this covid-19 virus. **The products –**

**Mobile Air Sterilizer – MAS** – Used to sterilize Hospitals, Hotel rooms, Operation theater, Restaurant & Bars, all shops and offices, Educational institutions, Shopping malls etc.,

**Car Air Sterilizer – CAS** – Used to sterilize all types of cars with in 30 mins of time, CAS is suitable for all the individual car owners and service station to treat and sterilize the interiors of car.

**Oxygen Plants** - we have introduced our own technology oxygen plants for 100 LPM, 250 LPM, 500 LPM & 1000 LPM in our own brand.

**In 2024** we introduced two new innovative technology products for water treatment industries **(i) Nano Bubble Technology (ii) Algae Control System.**

## Service & Support

**All our services are available round the clock that is 24x7**

To ensure that your ozone system has the longest life-span, Ozone Engineers has committed its service department to be trained and ready to assist you. Some of our systems have been known to last for 13 years or longer. Our team offers client support via telephone, email or on-site service, regardless of the brand of ozone generator you require assistance with.

## Research

Ozone Engineer's research and development capabilities to generate distinctive value through new, improved products and innovative ways to reduce costs or both.



## IAE Series



Our IAE Series ozone generator system is very compact and economy model with in built oil free compressor, plug and play unit with cen-percent ozone output. Built with stainless steel 304 grade cabinet and wall -mountable, Ideal for a variety of commercial and industrial applications.

### Ozone Model / Capacities

IAE-2	IAE-3	IAE-5	IAE-10
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## EO Series



The reliable, versatile and cost-effective EO series ozone generators are designed to satisfy a wide range of industrial applications. The EO series generators are forced air cooled system, Ultra compact with MS enclosure. This series works from oxygen gas or dry air feed to produce ozone gas.

### Ozone Model / Capacities

EO-10	EO-20	EO-30	EO-50
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## WO Series



The WO Series ozone generators the most flexible and easy -to-use ozone systems of their size, Ideal for a verity of commercial and industrial applications for long run operations. WO series ozone generators are water cooled ozone tubes with all housed in a compact Mild steel enclosure.

### Ozone Model / Capacities

WO-10	WO-20	WO-30	WO-50	WO-75
WO-100	WO-150	WO-200	WO-300	WO-400
WO-500	WO-1000	WO-2000 and above		

## IO Series



Our IO series ozone system includes ozone generator, inbuilt industrial oxygen concentrator, other control are housed in a compact mild steel frame with compact design, easy to move & ready to use for all ozone applications.

### Ozone Model / Capacities

IO-10	IO-20	IO-30	IO-50	IO-75
IO-100	IO-150			

## SD Series



The Skid System Integrated Ozone Generator, Oxygen Concentrator, SS Contact Tank, SS Pump, Venturi injector, Static Mixer, Dissolved Ozone Analyzer, Ozone Destructor. This entire system control with PLC. It's Suitable for all major water applications.

### Ozone Model / Capacities

SD-10	SD-20	SD-30	SD-50	SD-75
SD-100	SD-150	SD-200		

## Lab Ozone



The Ozone Engineers Desktop medical ozone generator are designed specifically for laboratory and medical research applications. This Ozone Generators are designed to work in conjunction with Oxygen Flow Regulators providing an output of between 0.5 & 1LPM. This model of ozone system is also used for Medical purposes for various treatments.

## Oxygen Concentrator



The Ozone Engineers Oxy<sup>N</sup>Gen<sup>®</sup> Oxygen Concentrator works with PSA Technology to produce oxygen, uses ambient air as a source of oxygen. It is designed to deliver continuous and concentrated flow of oxygen. It has been designed to provide a combination of enhanced features, reliability of a proven technology and unsurpassed quality. Simply plug the unit in and turn it on for high purity oxygen delivery and reliably.

ONG-5	ONG-10	ONG-20	ONG-30
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## Oxygen Plant



In the model the plant contains the oxygen generator with the air compressor, air dryer and air receiver tank with filter accessories as a inbuilt single unit, PSA module and oxygen Receiver tank as separately floor mount. Our oxygen generators working on the Pressure Swing Adsorption Technique. Ozone Engineers oxygen generators uses imported zeolite based molecular sieves. The delivery pressure can be set maximum 3 to 4 bar(g)

ONG-100	ONG-150	ONG-250	ONG-500	ONG-750
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### SS - Series



#### SS - Series (Stainless Steel)

The entire system consist of Ozone Generator, Oxygen Concentrator, Ozone Mixing Pump, Venturi Injector, Static Mixer, Back Flow Water Preventer (Water Trap), Solenoid Valve and Ozone Stand are housed in a stainless steel 304 grade material.

Ozone Model / Capacities

SS-10	SS-20	SS-30	SS-40
SS-50	SS-75	SS-100 & Above	

### OEM - Series



The OEM Series ozone generators are built on the strong foundation of Ozone Engineers air / water cooled system. The rugged and compact design, with reliable industrial model, ozone generators are packaged in mounting plate for ready to use. The OEM Series have forced air cooling system is integration into all OEM model

Ranges from 5 gm/hr to 20 gm/hr, available for 220VAC / 110VAC

### MWS - Series



The MWS is engineered to produce high levels of dissolved ozone in the water to meet common disinfection and oxidation tasks. Ozone is a powerful sanitizing agent : 2 ppm ozone in water equals to 400 ppm chlorine. Ozone has a short reaction time and requires a shorter contact time than chemical alternatives. The MWS is engineered to produce high levels of dissolved ozone in the air to meet common disinfection and oxidation tasks. Ozone is a 'chemical-free' sanitizing agent leaving no residual, any excess of ozone breaks down into oxygen.

## Air Treatment Products

### MAS - Series



The MAS is engineered to produce high levels of dissolved ozone in the air to meet common disinfection and oxidation tasks. MAS is fully automated DUAL mode system ozone disinfection and ozone destruction controlled by inbuilt ozone monitor. The first cycle generates ozone to kill all airborne pathogens. The second cycle destruct ozone and converts it into oxygen ready to be occupied quickly.

### OAS - Series



Ozone Engineers manufactures a superb range of ozone air sterilization for domestic & industrial applications. With a superior portable design, these Ozone Air Sterilizer are ideal for eliminating contamination in air. With superior control featured and durable characteristics these units are available as per customer requirement.

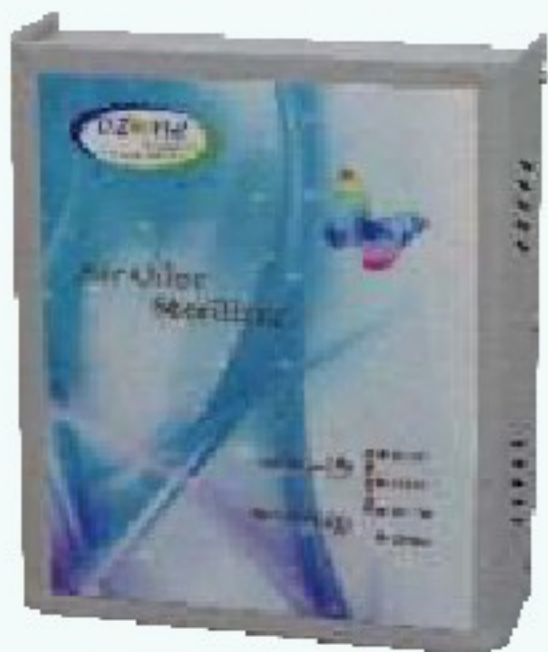
### CAS - Series



Sometimes odors in a car accumulate before owners really notice them. Odor may be due to, Dog or any Pet Smell, Smoke Cigarettes, Toddler spilled chocolate milk or any food items Dirty diapers, fast-food wrappers. Oil and Grease stink after servicing.

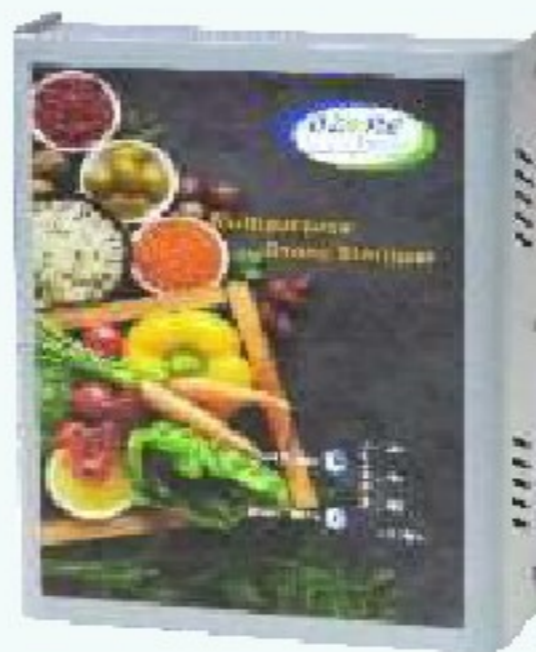
Ozone Car Air Sterilizer is suitable for all the individual car owners and service station to treat and sterilize the interiors of car.

### Air Odor Sterilizer



Air Odor Sterilizer (AOS) is commercial model for air treatment purpose, the model is easy to fix the wall, there are 4 time durations for separate press on the timer button, It's eliminates any kind of bacteria, virus including corona, germs, airborne pathogens and other contaminants present in the air. Usages - Office Rooms, All Production Area, All Wash Rooms, Pets Living Area, Kitchen & Bath Room.

### Household Ozone



Multipurpose Ozone Sterilizer (MOS) is domestic model for air & water treatment purpose, ozone originated from air with some pressure will be expelled from the exit. This model is easy to move, compact construction, low noise, low temperature growth and stable quantity of ozone production. Usages - Drinking Water Fruit & Vegetable Washing Food Preservation Fish & Meat Washing Air Disinfection

### Ambient Ozone Monitors



Ambient ozone monitor (or) ozone leak detector is used to measure the ozone level in the atmospheric condition. This monitors are used in air applications and as well as for the safety precautions were high ozone is used.

Measuring Range : 0 - 5 PPM

Wall Mount

Relay Output

4 - 20mA Controller

Indoor & Industrial Use

## Dissolved Ozone Monitors



Dissolved ozone monitor is used to measure the dissolved residual ozone level in the water. This monitors are used mainly in drinking water applications and in Food & Beverages industry.

Measuring Range : 0 - 200 ppb, 0 - 2 ppm & 0 - 20 ppm.

Relay Output

4 - 20mA Controller

Constant Head Flowcell (or) Low Volume Flowcell

Industrial Use & Process Control.

## Ozone Test Kit



### Ozone Test Kit - Colour Comparator

It's measured manually by adding DPD-4 tablet mixing in 10 ml of water and to be matched with the given colour to identify the ozone ppm level in water.

Measuring range : 0 - 1mg/l

### Ozone Test Kit - Digital Meter

It's measures dissolved ozone level by sensing the colour after adding DPD-4 tablet to the 10ml of sample water and shows the ozone level in the display.

Measuring range 0 - 2mg/l.

## Ozone Destructor & Scrubber



The energy introduced for ozone generation is released again during catalytic ozone destruction. This is therefore an exothermal catalytic reaction. Ozone gas (O<sub>3</sub> as metastable agent) enters the ozone destructor and disintegrates here releasing heat to produce oxygen (O<sub>2</sub> electron pair bonded) oxygen and leaves the device in this form. These units are available as per customer requirement.

**Ozone destructor** is used to destruct undissolved ozone in the water and **Ozone Scrubber** is used to destruct ambient ozone in the room.

## Servo Stabilizer



Ozone Engineers designed and manufactured servo stabilizer with the recent trends in the technology. We used Buck Booster Transformer to increase the output efficiency and durability of the auto transformer.

Monitoring the servo stabilizer with help of LCD display.

Microprocessor based controller makes servo stabilizer effective and output performance.

## Automatic Ozone Panel



We customized the control panel as per our requirement. The panel has highly protection against voltage fluctuation. The panel has dry run and over current protection for the pumps and equipments.

We installed **Feed Back Controller** for ensure the ozone, oxygen system continuous operation. If any breakdown happens panel gives the long alarm.

The control panel can also works with external signals and shut off entire outputs.

## Water Chiller



Water chilling systems cools down the water by method of refrigeration in a built-in closed SS 304 tank keeps the cold water in the storage and the temperature of the water is maintained around 20°C to 25°C for efficient ozone generation. The process water is sent into the chilling plant through the water inlet. The water gets into the heat exchange also called Evaporator. In the heat exchanger, the water is cooled by the refrigerant. The cool water is pumped out of chiller through a pump provided at the outlet.

## Incinerator



Napi Smaze - It is used for instant disposal of used sanitary napkins/mask in a very scientific and hygienic way. It is specially designed to destroy napkins/mask in a user friendly and convenient way. It is the best solution for destroyed and converting it to sterile ash. Advanced Technology, electrically operated, burns up to 200 napkins per day, auto timer cut off function, ceramic fibre board insulation for external heat protection, after burn less than 1gm of ash per napkin/mask, auto thermal cut off for safety, compact in size, can be mounted anywhere, low power consumption.

## Back Flow Water Preventer



Back Flow Water Prevention / Water Trap is used to stop the water entering to ozone system due to NRV failure in the venturi injector or back flow of the water due to some reasons. This helps to prevent the damage of the ozone system due to water entering the system. Water trap can be in-built with the system or may be kept separately outside as well.

A very essential product that helps in preventing heave damages.

## Ozone Accessories



**Ozone Mixing Pump** : Multistage pressure boosting pump used for ozone gas injecting through venturi.

**Venturi Injector** : Create a vacuum inside the injector body for ozone gas injection into water.

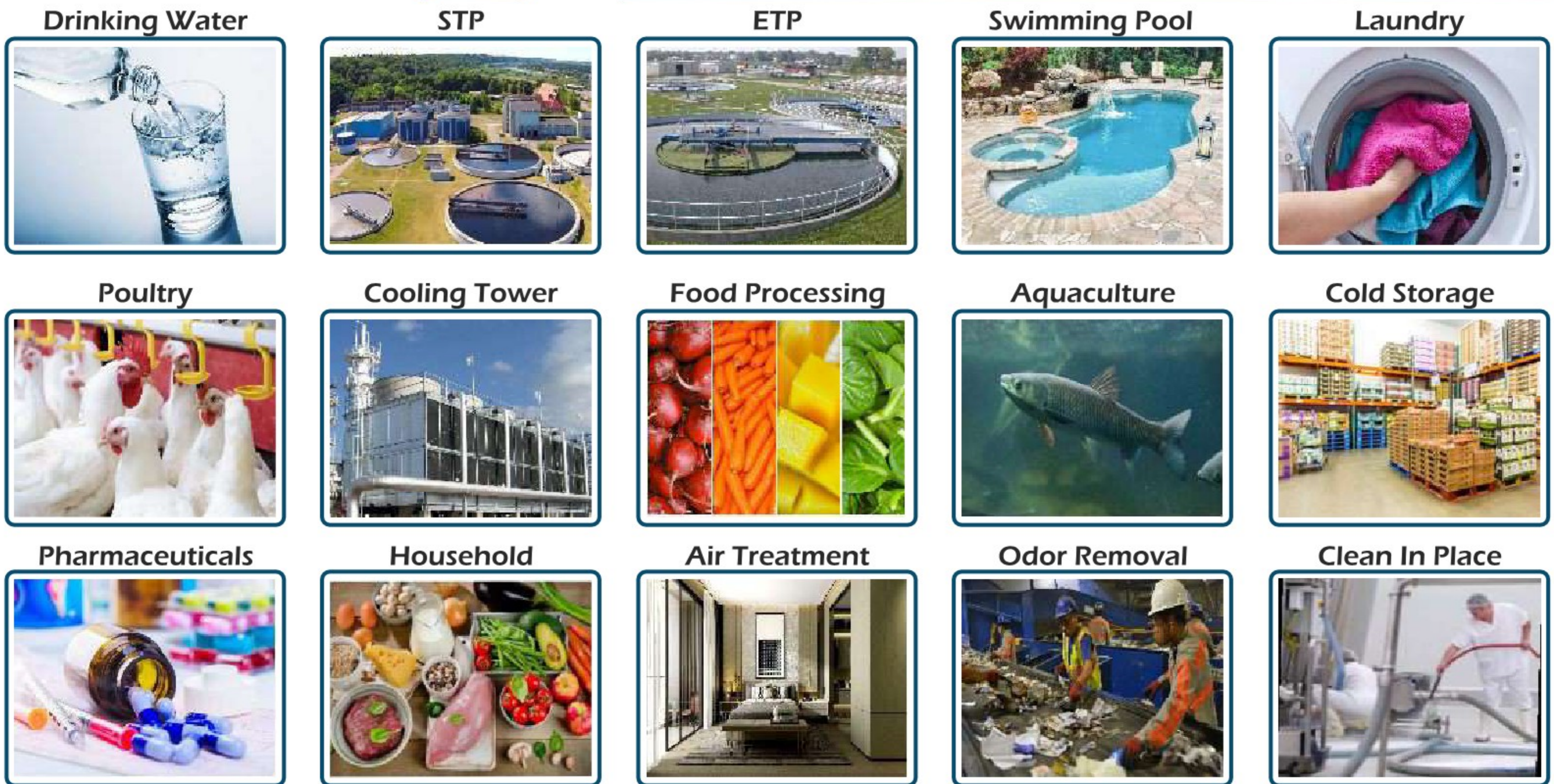
**Static Mixer** : Static mixer shear ozone bubbles from the venturi it helps for better ozone dissolvency into water.

**Pressure Gauge** : Displaying the current amount of pressure in the water line.



## Our Global Presence in 35+ Countries

### Ozone Applications



### Our Major Clintets



Manufacturer & Marketed by  
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