

# Exhaust Air Treatment

## Odour | Pathogen | Toxic gases

Sewage Treatment Plant  
Organic Waste Converter  
Sewage Lift Station  
Garbage Storage  
Washrooms  
Garbage Schute  
Municipal Waste Segregation

Safety  
Compliance  
Nuisance  
Environment

A good ventilation design provides safety & comfort to the occupants. When ventilated air is discharged into the outside environment, it should be treated to comply with the PCB norms. The discharged treated exhaust air should be safe for the environment, humans, animals & plants. All pollutants present in the exhaust air can be oxidised by "ECOBOI" an advanced form of Oxidant, making exhaust air free from pathogens, toxic gases and any foul odours.

## Solution - Capture and Treat

For optimum performance, the solution involves mechanical design to capture the maximum polluted air in the ductwork or a specially designed baffled Oxidation Contact Chamber (OCC) which acts like a reaction chamber and the science of oxidation. This technique is called "Capture & Treat"



Capture

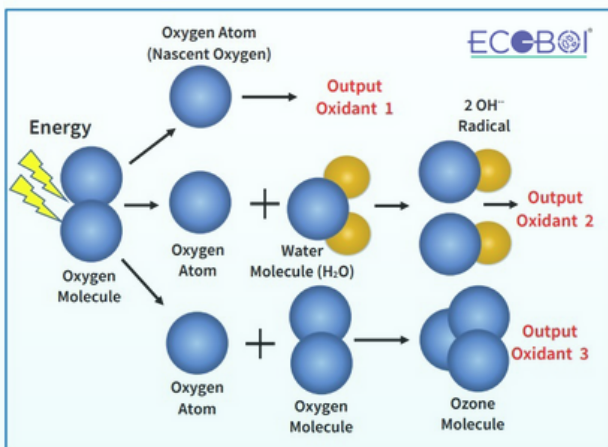


Treat

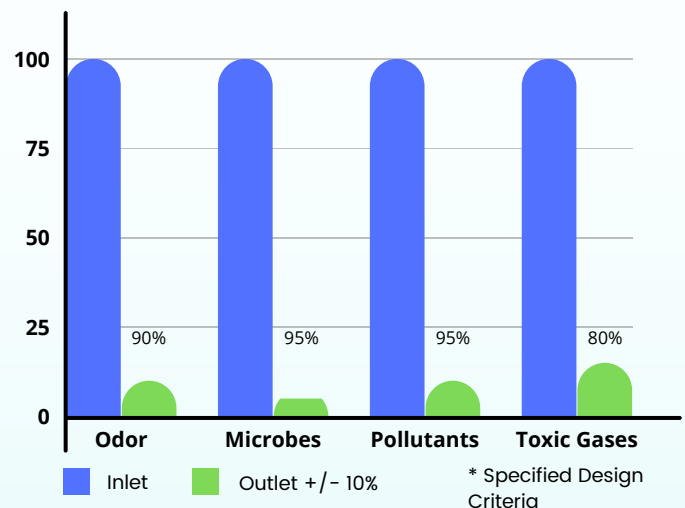
## What is ECOBOI ?

ECOBOI is an advance oxidation technique, by which pollutants in the exhaust air are oxidised.

## How it is Generated?



## ECOBOI Efficiency

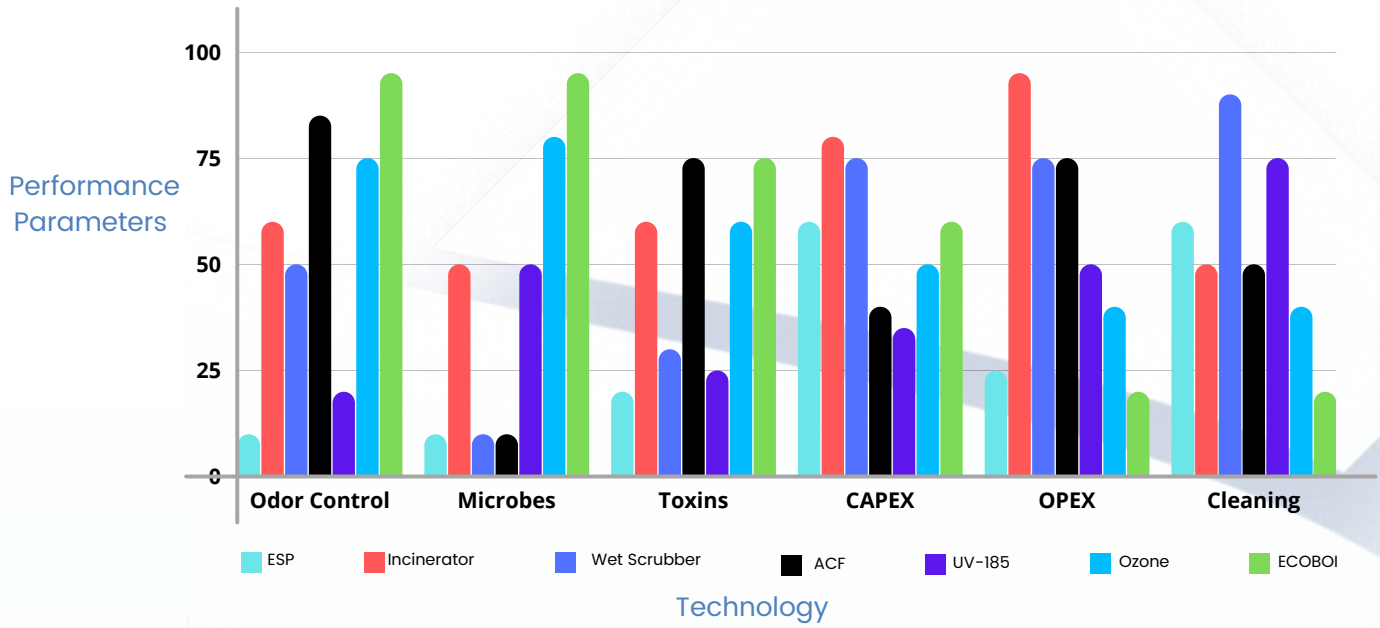


EXO 50 - EXO 200

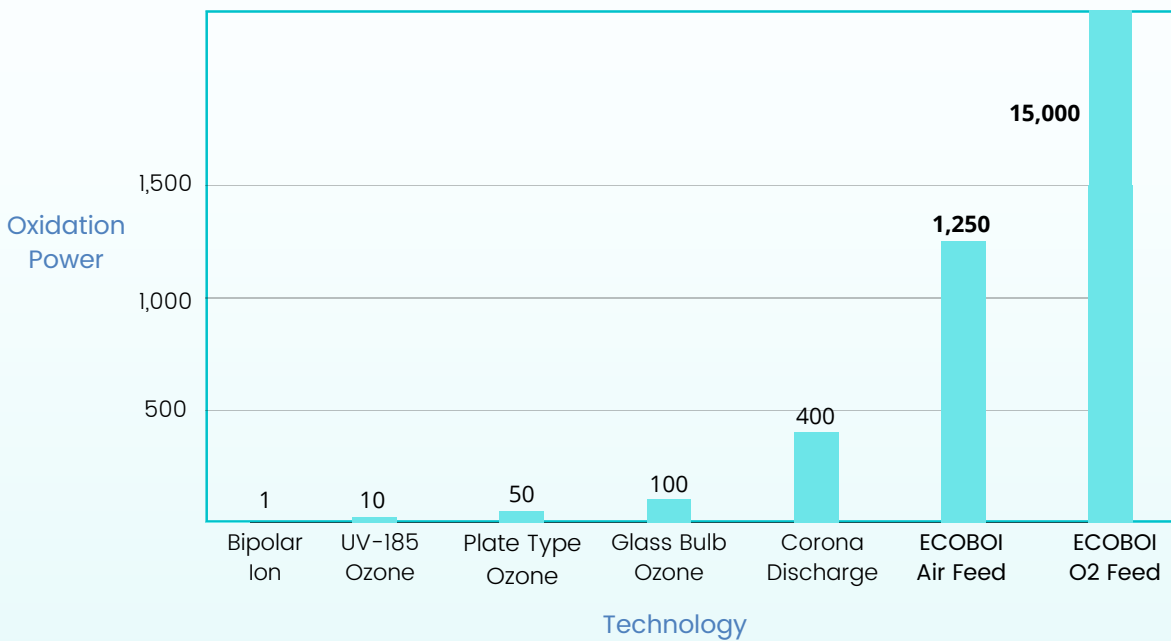


EXO OXY 300 - EXO OXY 1500

## Technologies v/s Performance Parameters



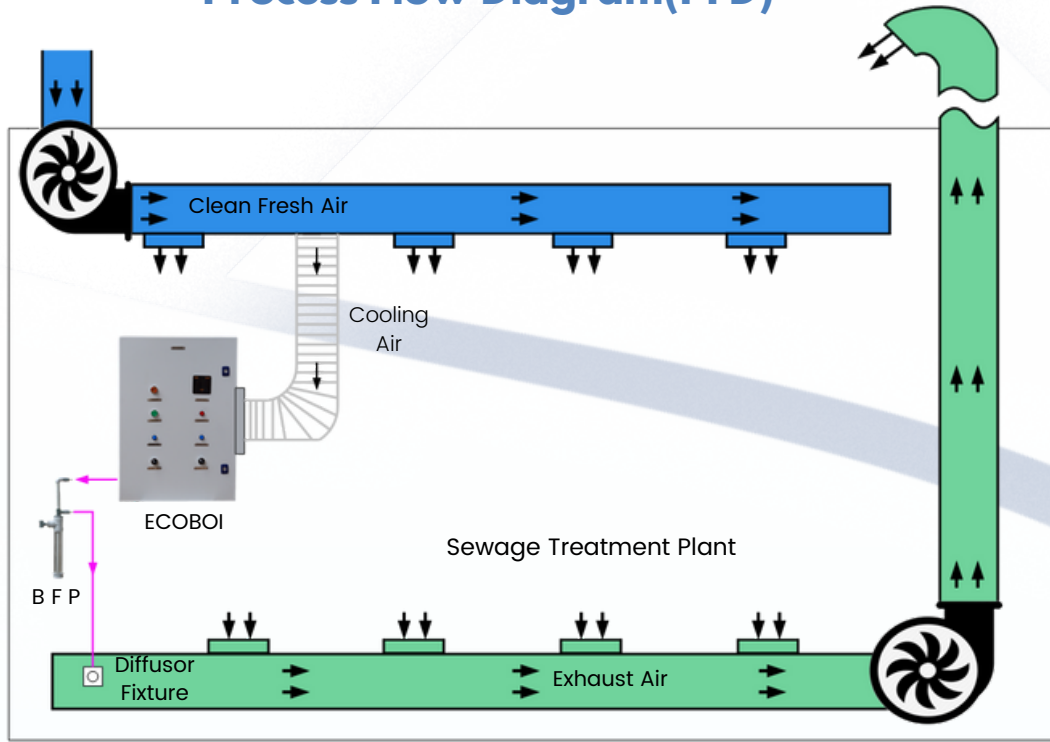
## Comparison - Technology v/s Oxidation Power



## Advantages



## Process Flow Diagram(PFD)



## Comprehensive Solution



Foul Odor



Pathogens



Pollutants



Toxic Gases



Air Changes Per Hour



Exhaust Air Velocity



Contact Time



Final Exhaust Discharge End

## Treatment Engineering



Up to 8000 cfm  
Air feed



Above 8000 cfm  
Oxygen feed

- Tender Specification
- Bill Of Quantity (BOQ)
- Technical Specification
- Process Flow Diagram (PFD)
- General Arrangement Drawing (GAD)
- Catalogue/Technical Data Sheet (TDS)
- Unit Picture

## Application Spectrum

- Commercial Building
- Residential Complex
- Hospitals
- Malls and Theatres
- Private and Government offices
- Schools and Colleges



PROSOFT Mobile App



Contact Details

ECOBOI®

Chemtronics®  
Innovation In Sustainable Solution