

# BIOZONE MANUFACTURING OZONE NEWS

## INSIDE THIS ISSUE

- **Biozone's Vision for 2024.**
- **Greatest Success Stories.**
- **Odofree AirZone Purifier Giveaway Winners.**
- **Upcoming Trends In Water Purification in 2024.**
- **Biozone's Collective Vision**

### **Happy holidays from the Biozone team!**

As 2023 draws to a close, we would like to express our heartfelt gratitude for your support and trust in Biozone Manufacturing. Each of our customers has been instrumental in our success, and we truly appreciate the confidence you've placed in our products and services. As we approach the festive season, we extend warm wishes to you and your loved ones. May this holiday season bring joy, warmth, and cherished moments.

## **What's ahead for Biozone in 2024**

We are witnessing significant advancements in treating water, air, and waste at Biozone. Biozone stands at the forefront of engineered purification by leveraging cutting-edge technology and extensive research and development.

Our water treatment capabilities, employing Nano Filtration/Purification, surpass conventional methods, showcasing effectiveness in purifying water from diverse sources. Biozone specialises in the design and engineering of custom Water Treatment Plants (WTP) tailored to meet the specific requirements of our clients.

Furthermore, Biozone has expanded its expertise in treating sewage and wastewater through environmentally safe processes such as Membrane Bioreactor technology (MBR). We are pleased to provide an alternative for sewage and wastewater treatment with our off-grid, standalone Sewage Treatment Plants (STP).

In air purification, Biozone takes pride in being industry leaders. We manufacture a diverse range of state-of-the-art Ozone Generators, catering to the unique requirements of our clients. Our Ozone Generators purify air, ozonate, and bottled drinking water throughout South Africa.

Looking ahead to 2024, we are thrilled to offer our technology and solutions, continually striving to enhance purification through environmentally safe technology.



## Biozone's 2023 success stories

Biozone takes pride in sharing some of our most inspiring success stories and major projects from 2023. From ground-breaking innovations to transformative collaborations, this past year has been a testament to our unwavering commitment to excellence. At Biozone, success is not just a destination; it's a continuous journey, and we're thrilled to have you alongside us as we forge ahead into a future filled with even more possibilities by Harnessing Nature's Technology.



Shoprite distribution Centre Bloemfontein  
Air Purification for fresh food distribution.



Development of a 12 kl/h Nano Filtration  
Water treatment Plant for Barplats,  
Eastplats Mine. 12 000 litres of water per  
hour directly from a borehole, purified  
for the miners, boilers, processes and  
drinking water for over 800 miners.



Off grid Water Purification system and  
purified bottled water solution in  
Botswana. 1000 litres per hour Water  
Treatment Plant including bottling  
equipment directly from a borehole in  
Francistown Botswana.



Development of the 12v 5gram mobile  
ozone generator. Capable of sanitising  
spaces such as truck cabins, hotel  
rooms and rental cars.



## Odofree AirZone Purifier Giveaway!

This year the Biozone family were so excited to give away not one, not two but THREE incredible Odofree AirZone Purifiers just in time for the holidays! Thank you to everybody who entered the giveaway and followed The Different Types of Bottled Water Series.

Congratulations to all three of the winners! Get ready to breathe in the freshest air with your brand-new Odofree Air Purifier delivered straight to your door, just in time for the festive season!

# CONGRATULATIONS WINNERS!

**Marelda Flint**

**Marc Mac Rae**

**Nikki Vicentijvec**



# Stay Ahead with These 5 Water Treatment Trends in 2024

The world of water treatment is evolving rapidly to address the critical challenge of water scarcity and provide clean drinking water to a growing global population. The importance of water treatment cannot be overstated, with only 3% of the planet's water being fresh. Here are the top five emerging trends in water treatment for 2024:

**Advanced Technology for Water Treatment:** The global issue of water scarcity is prompting the development of advanced water treatment plans. Expect a surge in innovative technologies such as new membrane filtration, nanotechnology-based systems, and advanced oxidation processes, all geared towards recycling and purifying wastewater.

**Smart Water Management Systems:** Smart technology is revolutionising the water treatment industry. Smart water management systems leverage data analytics, sensors, and machine learning algorithms to detect leaks, optimise processes, and monitor water usage in real-time. This not only reduces water waste but also improves water quality and lowers energy consumption.

**Analytics and Water Monitoring Tools:** The focus on advanced monitoring systems is growing, utilizing AI-powered analytics and IoT sensors to collect and assess crucial data on water quality, infrastructure performance, and usage patterns. These tools enhance resource allocation and decision-making for more efficient water treatment.

**Water Sustainability Measures:** Population growth and climate change have put a strain on global water resources. In response, 2024 may see an emphasis on developing water reuse and recycling systems, coupled with water conservation plans. Anticipate increased investments from government, industries, and utilities in tackling climate-related risks to water technology.

**Decentralized Systems:** Departing from the traditional centralized treatment plants, there is a shift towards decentralized water systems. These smaller-scale, local systems result in fewer water losses and greater resilience against climate-related disasters, marking a significant evolution in water distribution.

In a world where access to safe, clean drinking water is paramount, these trends underscore the transformative impact that technology-driven water treatment strategies can have on improving the quality of life for people globally.

## Biozone's Collective Vision

As we usher in the promise of a new year, we are thrilled to share a glimpse into the aspirations and shared goals of our dedicated team. Our staff, the heartbeat of our air and water purification business, has collectively identified key themes that will guide their efforts and ambitions in 2024.

Environmental Impact

Customer-Centric

Quality Excellence

Sustainability

Professional Growth

Innovation

Continuous Learning

Responsiveness

Positive Impact

Market Leadership

Team Collaboration

Thank you, Biozone family, for contributing to this dynamic representation of our shared ambitions. Here's to a year of growth, achievement, and making a meaningful difference in the world through our work in air and water purification.

Wishing you all a prosperous and fulfilling 2024!