



Learn more about the latest in water treatment technology being lead by Biozone Manufacturing. We are driving and successfully implementing a more efficient and affordable solution to clean water.

Learn more about the innovative solutions for water treatment and waste treatment.

[Read More](#)



The team, with over 26 years of experience, our mission is to deliver cost-effective and eco-friendly solutions that meet the highest quality standards. In this newsletter, we're excited to share some of our recent projects and partnerships that highlight our dedication to sustainability and excellence.





SOUTH AFRICA'S FIRST SUCCESSFUL WATER TREATMENT USING NANOTECHNOLOGY

Eastplats Crocodile Mine is a leading mining operation committed to sustainable practices. When faced with the need for a comprehensive water treatment system to deliver softened water for their boilers and purified drinking water for site operations, Eastplats turned to Biozone Manufacturing for a cost-effective and eco-friendly solution.

Biozone Manufacturing designed, manufactured, and installed a state-of-the-art Nanofiltration Purification System at Eastplats Crocodile Mine. This system eliminated the need for conventional salt treatment and included a pre-treatment stage using AFM to ensure optimal performance of the nanofiltration membranes. The system is designed to treat water at 12 kilolitres per hour, meeting WHO water supply goals and SANS241 limits.



SOFTENER PLANT SIZING AND ONLINE MONITORING

Biozone Manufacturing compared the size and operating expenditure of a water softener plant to their nanofiltration system. The nanofiltration system proved to be a more cost-effective and environmentally friendly solution.

To ensure optimal performance and compliance with quality standards, Biozone Manufacturing included an online monitoring system in the nanofiltration system. This system allows real-time monitoring of critical parameters such as produced water quality, abstracted borehole volume, and tank levels.

The Nanofiltration Purification System at Eastplats Crocodile Mine has delivered exceptional results, providing high-quality softened water for the boilers and purified drinking water for site operations.



Eastplats Case Study



OFFICIAL TECHNICAL PARTNER FOR GOZONE'S WATER PURIFICATION SYSTEMS AT PICK 'N PAY STORES

We are excited to announce that Biozone Manufacturing is now the official technical partner for Gozone's water purification systems at all Pick 'n Pay stores across South Africa. This partnership highlights Biozone's commitment to providing innovative and effective water purification solutions to meet the diverse needs of our customers.

Gozone's water purification systems are renowned for their reliability and efficiency, providing high-quality drinking water to customers across the country. As the official technical partner, Biozone will work closely with Gozone to ensure the continued success of these systems, providing technical expertise and support to optimize their performance.

Next time you see one of these in your local Pick 'n Pay - You know we were there!



CUSTOMIZED SOLUTIONS FOR OZONE DESTRUCTION

Biozone Manufacturing recently installed an Ozone destruction unit for a client located in KwaZulu-Natal. The client, a towel manufacturer, had high levels of ozone that needed to be effectively removed from their facility.

CHALLENGES:

- High levels of ozone from manufacturing processes.
- Need for an effective ozone destruction solution.

SOLUTIONS:

Biozone Manufacturing designed and installed a customized Ozone destruction unit that effectively removed ozone from the client's facility. This solution not only addressed the immediate need for ozone removal but also ensured the safety and well-being of the client's employees.

The Ozone destruction unit installed by Biozone Manufacturing has proven to be highly effective, providing a safe and ozone-balanced environment for the client's operations. This project highlights Biozone's ability to provide customized solutions to meet the unique needs of our clients.



We are looking forward to being your innovation partner in Harnessing Nature's Technology - Our team is on standby to assist!



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