



GREENCHAIN  
GROUP

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WATER  
4  
YOUR  
MINE

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WATER  
4  
THE  
PLANET

# MINING

Africa's mining sector is growing rapidly with new mineral rich ores frequently identified. At Greenchain Group we specialize in advanced water treatment systems for a range of sectors across the continent including the mining sector. Our science and engineering team understand the **critical need for water management at mines** and make it our business to recognize and solve the water related challenges facing this industry.

Our innovative solutions are developed based on a holistic evaluation of each site's water streams. All our tailor-made solutions are built from the ground up in our facility, ensuring the optimal blend of affordability, efficiency, reliability and robustness.

Together we can find novel ways in which to **safeguard your water resources.**

MEMBRANE BASED WATER & WASTEWATER TREATMENT PLANTS  
DESIGNED FOR THE MINING INDUSTRY.



# WHAT WE DO FOR YOUR MINE

Greenchain Group designs and manufactures sustainable and innovative **multi-barrier water treatment plants**. You can count on our team to deliver customized solutions based on your needs, whether it is process water treatment, potable water supply at manned camps, tailings and AMD treatment, membrane mineral separation, rehabilitation of contaminated sites, discharge water treatment, or reticulation.

Our core offerings include technologies such as: Media Filtration; Microfiltration (MF); Ultrafiltration (UF); Nanofiltration (NF); Reverse Osmosis (RO); MBR's (Membrane Bioreactor); and Ion Exchange (IX).

Whether you implement these technologies due to necessity or for cost-saving and sustainability reasons, they will ultimately **increase your operations' value**.



## — HIGH QUALITY TREATED WATER:



**Sources include:** Groundwater, surface water, seawater, effluent/wastewater.



**Process Optimization:** Optimize existing or future water treatment systems and processes.



**Advanced Membrane Technology:** High quality membrane components selected to suit the application.



**Service Agreements:** Improve service intervals, reduce downtime and improve equipment longevity.



**Zero Liquid Discharge (ZLD):** Working towards water circularity.



**Risk Management:** Mitigate water related risks and improve financial and environmental sustainability.



**Mineral Extraction:** Improve product recoveries using novel membrane filtration.



**Remote and Mobile:** Containerized solutions are ideal for remote mines.



**Treatment and Recovery:** Neutralize acidity and recover metals.



**Compliance:** Adhere to legal requirements and meet the norms.



**Membrane Separation:** Remove unwanted impurities or isolate certain constituents.



**Financing options available.**

