GREENCHAIN GROUP

#WATER4YOUR FARM

#WATER4THE PLANET

AGRICULTURE & IRRIGATION

Agriculture is a cornerstone industry that has shaped civilization by securing food production and providing raw materials. Increased agricultural output and productivity fosters economic growth and development, particularly in emerging economies, and water is the key enabler.

At Greenchain Group, we specialize in developing innovative water treatment solutions for a wide range of water and wastewater sources. Our science and engineering team makes it their business to understand how our solutions can assist you in optimizing your water resources so that you can realize their full potential and maximize your profitability.

These advanced water treatment systems are locally designed and built from the ground up in our facility to suit your specific site characteristics and meet your needs. This tailor-made approach not only ensures affordability, but crucially allows us to develop a targeted solution that improves crop and livestock health, crop maturation times, yields, and ultimately profitability.

Our dedicated team is ready to work with you and find new ways in which to take your operations to the next level continuing to accelerate the growth of the agriculture sector across Africa.

BOOST PRODUCTIVITY AND YIELDS, AND SAFEGUARD THE FINANCIAL, OPERATIONAL, AND ENVIRONMENTAL SUSTAINABILITY OF YOUR AGRICULTURE BUSINESS.

SCAN ME

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WHAT WE DO FOR YOUR FARM

At Greenchain Group, we conceptualize, design, and engineer water treatment systems that are suited to your site specifications and meet your exact needs.

With our membrane technology removing unwanted constituents you can boost product quality and product output. These systems are ideally suited to a range of Agricultural applications including high-value crops, nurseries, and packing houses. Additionally, advanced filtration can also prevent sickness and malaise in livestock by removing pollutants and microbiological contaminants.

Our wide range of multi-barrier treatment technologies include: Microfiltration (MF), Nanofiltration (NF), Reverse Osmosis (RO), and Membrane Bioreactors (MBR's). Using these powerful technologies, you will be able to treat surface water, groundwater, brackish water, and even wastewater, positively transforming your water streams.

HIGH QUALITY TREATED WATER:

- Development: Membrane technology enhances agricultural production and resource utilization, boosting your return on investment.
- More water: Supplement water budgets by treating previously unsuitable waters to the required quality (e.g. wastewater, hard water, or brackish water)
- Optimization: Improve yields, crop health, product quality, and product shelf life.
- Precision Farming: Decrease fertilizer demands by improving mixing, delivery efficiency and uptake.
- Sustainability: Reduce water consumption and resulting energy usage for reduced impact.
- Service Optimization: Extend servicing intervals and improve equipment longevity with high-purity water (e.g. fouling or scaling prevention).
- Compliance: Safeguard your products for export and certification.
- Bio-Protection: Remove bacteria, viruses, protozoa, and pathogens that cause biofilm, disease and malaise.
- Energy recovery: Reduced pumping power or even wastewater biogas capture.
- Apply membrane technologies to achieve circular agricultural production.
- Superior control and automation for EC adjustment, pH correction, hardness removal and more.
- Climate change resilience: Mitigate water related risk and improve financial and environmental sustainability.

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