



## INNOVATIVE DESALINATION (DESAL) SOLUTIONS

Greenchain Group's DESAL systems have proven to be reliable, affordable, easy to operate & provide unbeatable water quality. Our professional engineering team has an in-depth understanding of membrane technology, which enables us to design & manufacture DESAL systems that excel in all areas of this value chain. Our systems are all designed & manufactured in-house, with reliable & cost-effective components sourced from all over the world.

We streamline the deliverable from start to finish: process design, documentation, project management, manufacturing, quality control, installation & maintenance.

### SUPERIOR WATER QUALITY

Continuously remove targeted contaminants with peace of mind

### SUPPORT

Whether it's spare parts or services, we have you covered

### CUSTOMIZED DESIGNS

Tailor-made DESAL systems for the required water source

### RELIABLE

Meticulous quality control & detailed design for improved longevity

### LOCALLY MANUFACTURED

Purpose-built DESAL solutions unrivaled by imported systems

## PREMIUM DESALINATION (DESAL) SYSTEMS

### AFFORDABLE

Economical payback periods from CAPEX to OPEX

### ENGINEERED SOLUTIONS

A complete process design including all the required building blocks & documentation

### AUTONOMOUS

Seamless control from standard inputs to advanced online control systems





## WHAT IS DESALINATION (DESAL)?

Desalination (DESAL) is a type of membrane technology used to separate target contaminants from a liquid stream. The density of the membrane determines the size of the contaminant removed, where DESAL is normally used to purify seawater or wastewater through removing molecular dissolved content such as hardness, salt, colour, toxins, pesticides, nitrates & more. It produces a virtually pure water on the permeate side & concentrated waste on the reject side. DESAL utilizes mechanical separation by means of a pressure driven membrane to produce consistent quality regardless of inlet fluctuations. The possibilities & applications are endless.

## HIGH PRESSURE MEMBRANE FILTRATION

SEAWATER • BRINE • WASTEWATER • BRACKISH WATER • & MORE...

### DESAL SOLUTIONS



Saline water  
treatment (seawater)



Pressure  
driven separation



Spiral wound  
membranes



Selective  
rejection



Up to 99,8%  
removal



Energy recovery  
techniques



SCAN ME

