



INNOVATIVE REVERSE OSMOSIS (RO) SOLUTIONS

Greenchain Group's RO systems have proven to be reliable, affordable, easy to operate and provide unbeatable water quality. Our professional engineering team have in-depth understanding of membrane technology, which enable us to design and manufacture RO systems that excel in all areas of this value chain. Our systems are all designed and manufactured in-house, with reliable and 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 and 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 RO systems for the required water source

RELIABLE

Meticulous quality control & detailed design for improved longevity

LOCALLY MANUFACTURED

Purpose-built RO solutions unrivaled by imported systems

PREMIUM REVERSE OSMOSIS (RO) SYSTEMS

AFFORDABLE

Economical payback periods from CAPEX to OPEX

ENGINEERED SOLUTIONS

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

AUTONOMOUS

Seamless control from standard inputs to advanced online control systems



WHAT IS REVERSE OSMOSIS (RO)?

Reverse Osmosis (RO) 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 RO is normally used to remove molecular dissolved content such as hardness, salt, colour, toxins, pesticides, nitrates and more. It produces a virtually pure water on the permeate side and concentrated waste on the reject side. RO utilizes mechanical separation by means of a pressure driven membrane to produce consistent quality regardless of inlet fluctuations. The possibilities and applications of RO are endless.

REMOVES DISSOLVED MOLECULAR CONTAMINANTS:

HARDNESS • SALT • COLOUR • TOXINS • PESTICIDES • NITRATES • AND MORE...

RO SOLUTIONS



Brackish
water treatment



Pressure
driven separation



Spiral
wound membranes



Selective
rejection



Up to 99,5%
removal



Quality
guarantee



SCAN ME

