



INNOVATIVE MEMBRANE BIOREACTOR (MBR)

Greenchain Group’s MBR 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 MBR 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 MBR systems for the required water source

RELIABLE

Meticulous quality control & detailed design for improved longevity

LOCALLY MANUFACTURED

Purpose-built MBR solutions unrivalled by imported systems

**PREMIUM
MEMBRANE
BIOREACTOR
(MBR) 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 MEMBRANE BIOREACTOR (MBR)?

Membrane Bioreactor (MBR) is a type of biological wastewater treatment system utilizing membrane technology as the final clarifier. The porosity of the membrane determines the size of the contaminant removed, where MBR is typically within the Microfiltration range in which bacteria & suspended solids are successfully rejected. It produces a purified water on the permeate side & collected sludge waste on the reject side. MBR utilizes mechanical separation by means of a pressure driven membrane in combination with biological treatment to produce consistent quality regardless of inlet fluctuations. The possibilities for wastewater treatment using MBR technology are endless.

WASTEWATER QUALITY GAURANTEEE & COMPACT DESIGN

COMPACT BIOLOGICAL TREATMENT WITH SUPERIOR MEMBRANE SEPARATION

MBR SOLUTIONS



Wastewater treatment



Reduced sludge production



Guaranteed effluent quality



Increased mixed liquor concentrations



Superior denitrification &/or phosphorus removal



Advanced automation



SCAN ME

