



WHEN IT COMES TO
WASTE WATER
TREATMENT
YOUR CHOICE IS
CLEAR

IONIC



MEETING REGULATORY REQUIREMENTS WITH PEACE OF MIND

Treating waste water is more difficult than treating water. Whether it is Sewage water or Industrial waste water the raw waste water characteristics is not uniform and is unpredictable. It is a big challenge to design a suitable waste water treatment solution that will operate consistently, reliably and cost effectively. We at *Ionic Engineering technology Pvt. Ltd.* are determined to provide the right solutions at the right cost. As a corporate commitment to protect environment IONIC offers effluent treatment systems for various types of industries. Our experience in dealing with diverse industries makes it possible to offer techno-economically optimum solution for treating industrial waste water. Major industries we serve include automobile, engineering, chemical etc.

In consultation with carefully selected technological partners we are in a position to offer the latest in treatment technologies to protect our environment. Some of the solutions we have provided to our customers are unique and one of the kind in the industry.

We can provide a range of technologies involving physio-chemical treatment to advanced waste water treatment systems comprising membranes for recovery, recycling etc.

SEWAGE TREATMENT SYSTEMS - FBBR

IONIC offers packaged prefabricated **Sewage Treatment systems** with FBBR (Fluidised Bioreactor) technology. They are very compact with limited civil work, offer value for your money. Using bacteria cultured on special high surface are a floating media they reduce organics pollutant by > 90% and makes the treated water safe for gardening or disposal. Various sizes available from 15 KLD-75 KLD available.



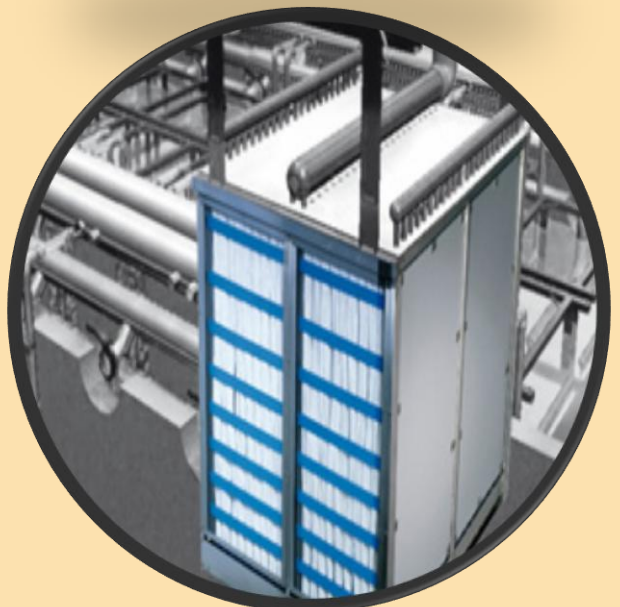
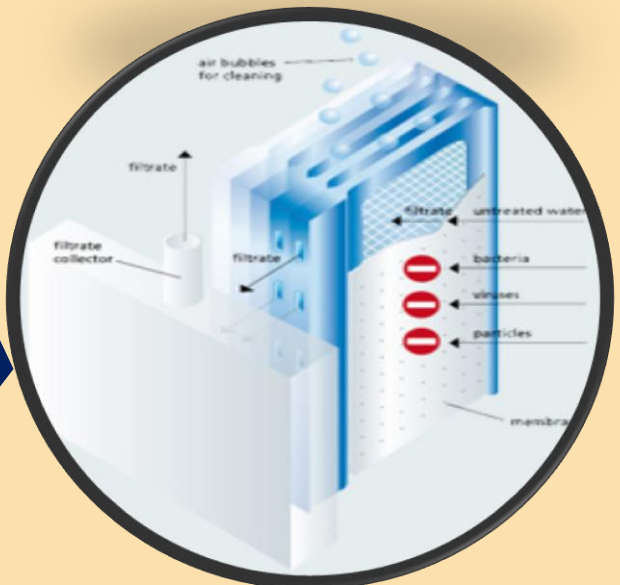
SEWAGE TREATMENT SYSTEM - I-MBR

IONIC offers fully automatic Membrane Bio Reactors (MBR) for treating Sewage. MBR systems though are very expensive compared to conventional process such as activated sludge process, FBBR, SBR etc. the treated water quality is better than the conventional process and hence is adopted when the treated water is taken for recycling.

Ionic can offer both plate type MBRs and Hollow fibre immersed (submerged) MBRs in both prepackaged as well as custom made configurations.

MBR systems are very compact and saves space when space is not available or when space is at a premium.

The treated water is free from odour, colour and is crystal clear to make it reusable for toilets, gardening, irrigation, landscaping, car washing, construction etc.



OILY WASTE WATER TREATMENT SYSTEM

IONIC offers specially designed treatment system for treating oily waste metal working fluids from machine shops. This system is designed for treatment of water soluble oil and semi synthetic machine coolants.

This process uses special membrane to separate the oil and water. Unlike conventional chemical process which is difficult to control this membrane process can process oily waste water of varying characteristics and concentration.

The whole process is automated.



INDUSTRIAL WASTE WATER TREATMENT SYSTEM

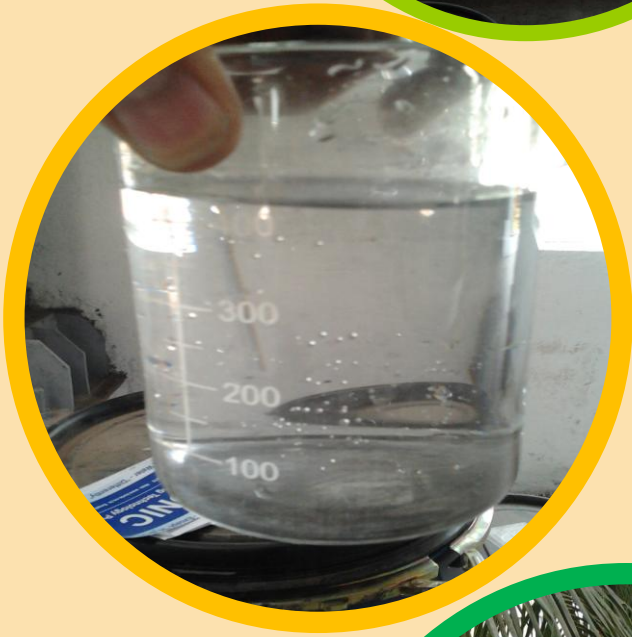
IONIC offers specially designed treatment system for treating Industrial waste water from various industries.

The treatment technology includes but not limited to physio-chemical process which depends on the waste process stream characteristics.

We have many innovative patented technologies to offer.

As part of treatment scheme we can also offer end of the pipe water recycling system or closed loop recycling system if the customer is looking for recycling of water.





Transition from
inlet to outlet



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