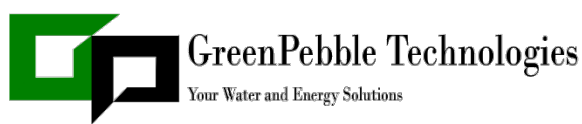




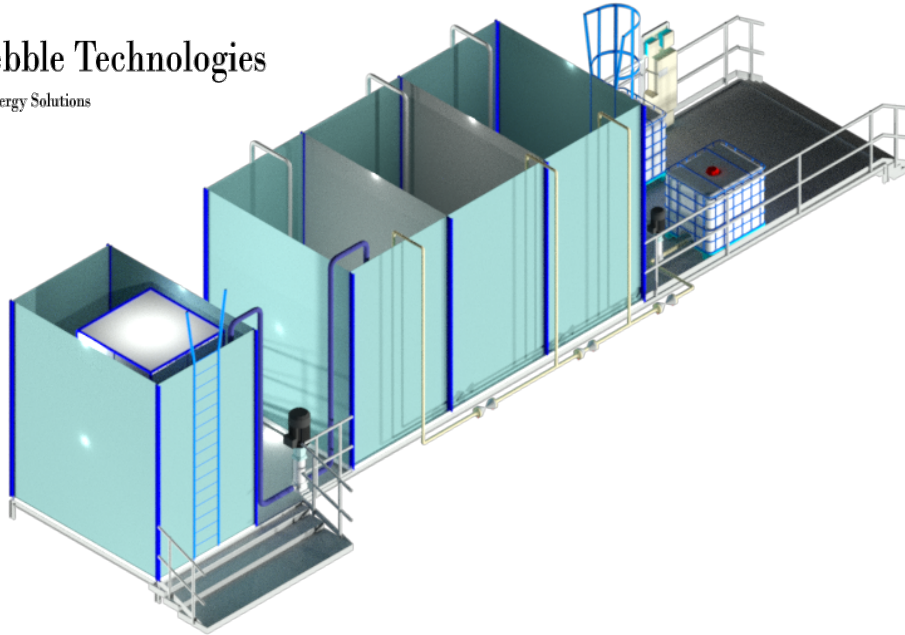
Membrane Bioreactor

for Wastewater Treatment, Recycle and Reuse



GreenPebble Technologies

Your Water and Energy Solutions



Advanced Membrane Bioreactor System

GreenPebble Technologies reliable, robust and integrated wastewater treatment approach that efficiently removes micropollutants, dissolved organics, biological nutrients and suspended solids



Less CapEx & O&M
Costs



Wastewater
Recycle & Reuse



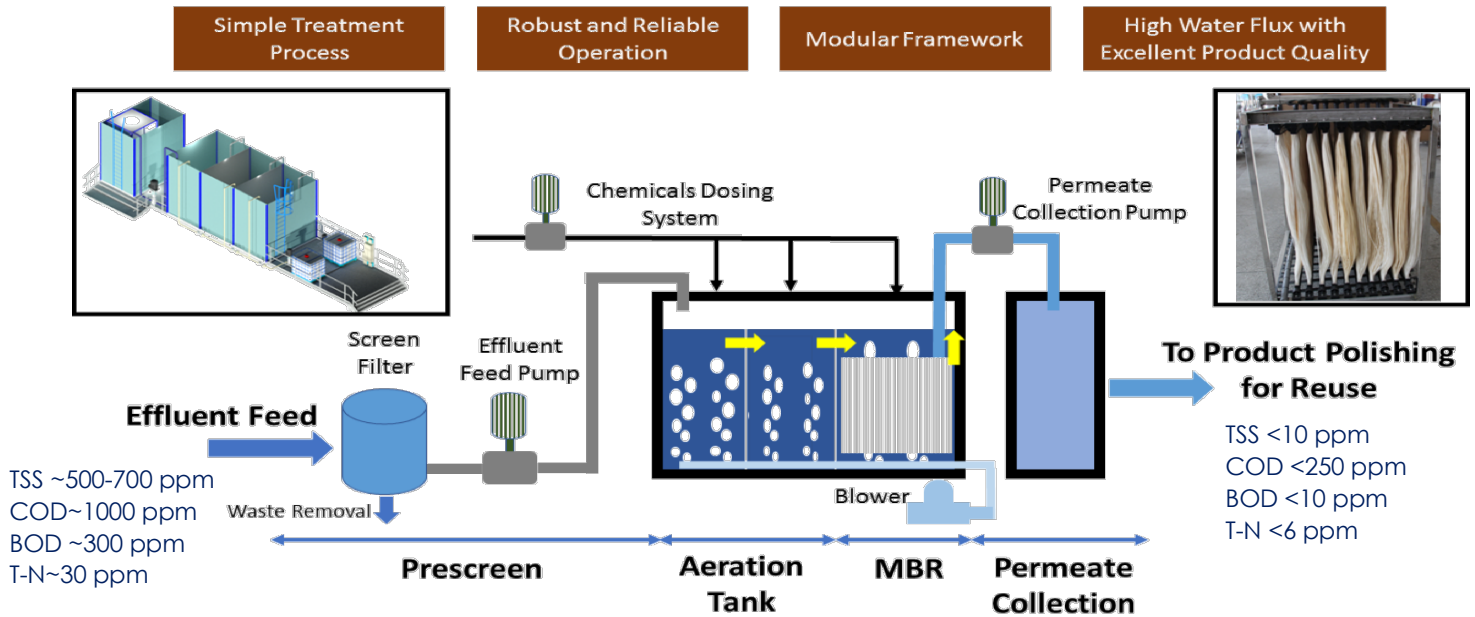
Wide Applicability



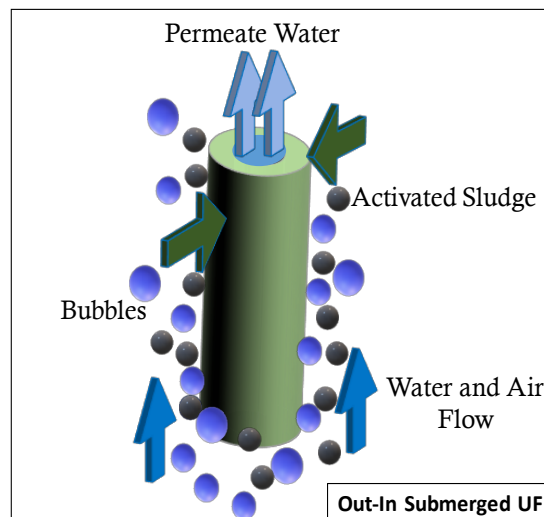
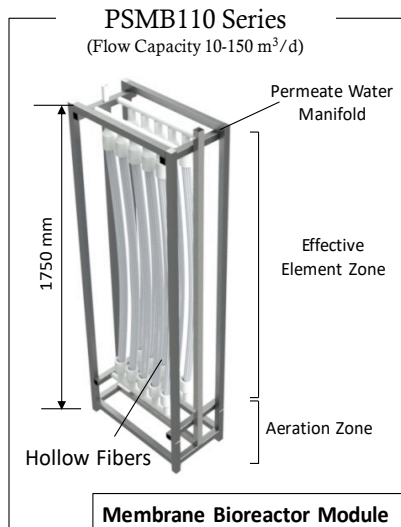
High Operational
Efficiency

MORE SUSTAINABLE SOLUTION

- Municipal and Industrial wastewater containing high organic and biological contaminants can be efficiently treated, recycle and reused with GPT's proprietary Membrane Bioreactor (MBR) system
- More than 90% of wastewater recovery
- 50% reduction in O&M costs, 30% savings in capital investment
- Low capital and operating costs
- Relatively low energy consumption
- Modular, integrated and simple plant operation
- Easy retrofit to existing plants
- Minimal chemical use due to low fouling and scaling issues



Membrane Bioreactor



Specifications

Item		Parameters
Capacity		100 m3/day
Water Quality Conditions	Input	BOD- 500 ppm, COD- 1500 ppm, TSS- 500 ppm
	Output	BOD- 10 ppm, COD- 250 ppm, TSS- 5 ppm
Installation	Temperature	0 to 45 degC
	Humidity	20 to 90%
	Placement	Outdoor
Maintenance		MBR replacement every 3-5 years
Installation time		8-12 weeks
Optional		Active Carbon Bed for color & odor removal Prescreen filter for coarse fraction removal Chlorination in post-treatment SCADA/IoT for remote monitoring

Municipal and Industrial wastewater can be treated and recovered successfully with GPT's innovative Membrane Bioreactor (MBR) based technology to achieve removal of COD, BOD, T-N and suspended solids. The outcome resulted in successful implementation of multiple 10- 100 m3/day of commercial MBR plant.

About GreenPebble Technologies LLP

GPT is India-based water technology company providing innovative solutions for water and wastewater treatment, sea water desalination, Zero Liquid Discharge (ZLD) and water recycle/reuse applications.

GPT holds multiple global patent applications on various novel membrane-based technologies that gives economical, efficient and sustainable water treatment solutions.

GPT provides prefabricated and factory tested containerized plants that can be easily deployed and commissioned even at remote locations. The standard plant capacities range from 10-500 m3/day flow.

Our solutions are easily customized for various industries including chemicals, textile, pharma, mining, food & beverage, dairy, hospitality sector.

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