

CLEARBLACK™

**PURIFYING SEWAGE
BACK TO REUSE**

SO MANY INVESTMENTS FOR FUTURE OF OUR CHILDREN, IS WATER IN THE LIST?

Israel with annual average rainfall of just 25 cm doesn't suffer the water storage as it implemented centralized water planning and real pricing, educated citizens to conserve water, desalinated sea water, used drip irrigation and treated nearly all its sewage, recycling it for crops.

Inspired by the policy of reusing treated sewage, the leaders of the certified Green Pipes in Israel 'The Huliot' extends its commitment towards mother earth by launching the much needed sewage treatment plant (STP) called **ClearBlack** globally, for recycling and reusing the treated sewage which otherwise discharged untreated or partially treated pollutes the natural soil, groundwater, sweet water bodies and marine life eventually finding its way back to food chain and to us responsible for spreading number of diseases.

The final product is the clear purified water available back to reuse in these times of water scarcity. Huliot invites everyone in the noble cause of conserving water and investing in saving the existing water resources for our own children.



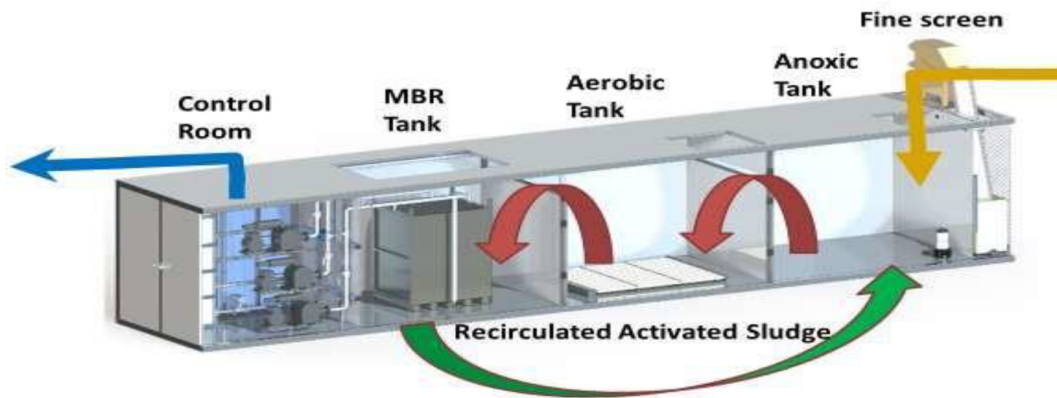
Containerized 100 KLD STP on its mission to purify & recycle 1 lac liters water everyday

Are you ready to reuse your sewage? We guarantee a 100 % recycling smart IoT system. With our system you would be able to recover your wastewater to freshwater again for:

1. **Flushing in toilets:** Flushing accounts for 35-40 % of water demand. The flushed water will go into STP and will be available after recycling again. Save more...Pay Less on your water bills.
2. **Floor and Other Cleanings:** The treated water is perfectly fit for use in floor and other cleanings. Save More...Stay Clean.
3. **Gardening:** Plant Trees...you must have been hearing this since your childhood. But you also hear water these days is getting scarce. Now you have your solution... Go Green.



Scan for Catalogs



HOW CLEARBLACK™ WORKS

- The sewage will be pumped to the CLEARBLACK™ STP System through an automatic fine screen first that will separate all the particles larger than 2 mm.
- The screened sewage enters the Anoxic System the compounds of nitrogen contributing to pollution in sewage are decomposed.
- The sewage further undergoes aerobic treatment is for decomposition compounds of carbon contributing to pollution in sewage.
- The sewage after anoxic and aerobic treatment enters the MBR tank installed with the membranes producing highly clean and filtered water. The system is equipped with an automatic cleaning arrangement for membranes.

Top 10 advantages of CLEARBLACK™ system

1. Completely Automated Operation
2. Smartphone Monitoring & Controls
3. 24 X 7 Skilled Operators Not Required
4. Occupies Lowest Footprints & Saves Construction Costs
5. Optional Automated Sludge Dewatering System with Lowest Noise
6. Low Power Consumption
7. Low Chemical Consumption
8. Low Life Cycle Costs & Opex
9. The Existing STPs Can Also Be Upgraded with CLEARBLACK™ System
10. Quick Service & Technical assistance from huliot

Salient Features of CLEARBLACK™ system

1. 100 % Sewage Recovery for Reuse
2. Odourfree, Colourfree Disinfected Output Water Safe to Handle & Reuse
3. No Tertiary Treatment Required
4. 24 X 7 Online Access to System
5. Can Be Fitted in Small Area
6. Quick Installation
7. Simple To Clean Unique Screening Systems
8. Easy Operation and Less Maintenance
9. Easy Sludge Management
10. Minimum Technician Attendance

Technical Parameters of Treated Sewage (Conforming revised NGT Notifications)

1. pH – 6-9
2. Oil and Grease < 5 ppm
3. BOD < 10 ppm
4. COD < 50 ppm
5. TSS < 5 ppm
6. Ammoniacal Nitrogen < 5 ppm
7. Total Nitrogen < 10 ppm
8. Fecal Coliform < 100 (MPN/100 ml)