

CONTAINERISED MBR SEWAGE TREATMENT PLANT AL HAMALAH VILLAGE, BAHRAIN

MENA WATER FZC got the contract to build up the sewage treatment plant of 1100 m³/day for Al Hamala Village - Bahrain. Basis is the established package modular plant with MBR technology.

The plant provides bacteria free clean water with smallest foot print area. The plant is prefabricated as containerized system made of stainless steel. All components are of German origin. The plant is designed as modular, mobile system to be extended and relocated on demand.

The construction of sewage treatment plant initiated on 2014 and successfully completed by 2015.

The STP's incoming domestic waste water is screened, degrittied which is followed downstream by Latest Membrane Bio reactor technology in containerized system includes sludge treatment through sludge dewatering mechanism and Odour free environment with Activated carbon Odour control system the total system is controlled by PLC and the total system is monitored through Online monitoring to review the status of the STP 24X7.

The STP comprised of latest MBR technology which enables to produce High quality Treated Sewage water free of pathogens, bacteria, E coli, etc., suitable for reuse in Irrigation.

These type of Containerized STP can be Augmented or relocated based on the client's requirement.



**Pure Water
From Sewage**

PROJECT DATA

- Capacity 1100 m³/day
- Fine Screening Pre Treatment
- Buffer, Aeration & TSW Tanks
- MBR Container package
- Sludge dewatering
- Odor Control
- PLC Controlled Online Monitoring

