

MBR CONTAINER SEWAGE PLANT

AL SUNUT ALMOGRAN, KHARTOUM, SUDAN

The Al Mogran area is a big commercial and residential complex in the heart of Khartoum, directly facing the rivers Blue and White Nile. The 396-hectare business complex is designed to house 58,000 employees. The adjacent residential zone will include about 1,000 villas, 6,700 apartments, schools, hotels, hospitals and an 18-hole golf course

For the civil work and the first residents the concept is to transfer the sewage in to clean water, usable for construction works and irrigation of green area.

Pure Water from Sewage



MENA WATER FZC got the contract to build up the treatment plant. Basis is the established package modular plant with MBR technology. With smallest foot print area the effluent provides bacteria free clean water, ready for irrigation.



The plant is designed as prefabricated containerized system with all water contact surface 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.

PROJECT DATA

- Capacity 1000 m³/day build in 2 stages
- Fine Screening for Pre-treatment
- Buffer & Treated Water Tanks
- MBR Container Plant
- Odor Control Unit

The 1st phase started 2008 for 300 m³/d in 2010, extended to 1000 m³/d in year 2012.

