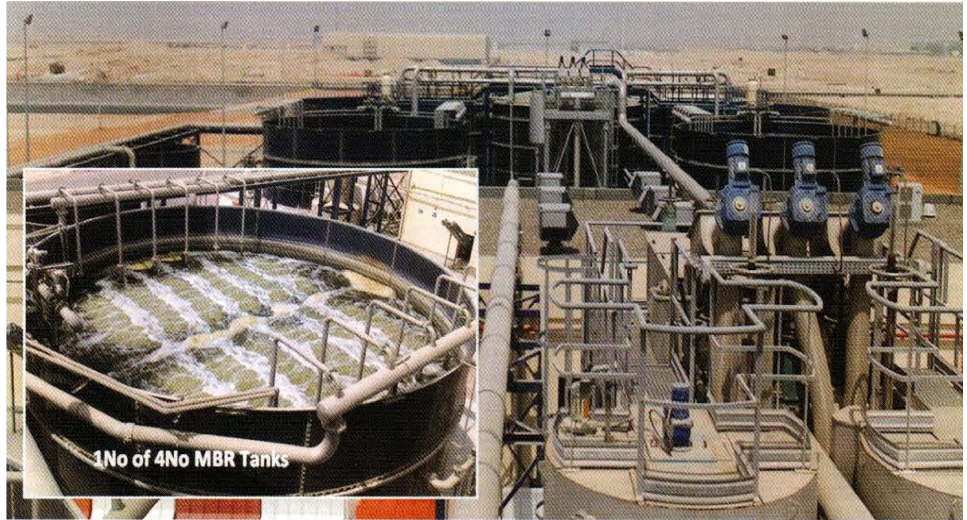




AL MAKTOUM INTERNATIONAL AIRPORT – DUBAI

- **END USER:**
Dubai Civil Aviation
- **CLIENT:**
Dubai Civil Aviation
- **INDUSTRY:**
Waste Water Treatment
- **DATE OF CONTRACT AWARD:**
2008
- **CONTRACT COMPLETION:**
2011



INTRODUCTION:

Acwa Emirates was awarded a contract for 10,000m³/day high specification waste water MEMTREAT® plant applying MBR technology.

DESCRIPTION:

Design, build, operate (DBO) of 4 MBR wastewater treatment trains, each 2,500m³/day at Al Maktoum International Airport, the world's biggest passenger air and freight hub with ultimate capacity of 160 million passengers annually. The project is based in Dubai – UAE and is in operation since 2010.

SCOPE OF SUPPLY:

The plant comprises of:

- Lift Station
- Odour Control System
- Inlet Works
 - 3mm fine screen
 - Grit removal / grease removal
 - Grit classifiers
- Anoxic / Aeration & MBR GLS Tanks
- MEMTREAT® Membrane Bio-reactor
- Permeate Holding & Sludge Holding GLS Tanks
- Air Blowers and Diffusers
- Sludge Dewatering System
- Irrigation System for the Landscaping
- Chemical Dosing Systems (Hypochlorite + Coustic Soda)
- SCADA System



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Effluent Quality:

BOD < 5mg/L
COD < 50mg/L
TKN < 2mg/L
SS < 5mg/L
NH3 < 1mg/L
NO3 < 10mg/L