

Refurbishment of Old Ionics RO Plant

Client: Harouge

Location: Amal

Product: Brackish Water RO Desalination

Design: 2 x 500m³/Day

Application: Drinking

Year: 2011

Scope:

- **Civil works, Installations and Commissioning**
- **Service & overhaul** 4 No filter feed Pumps, 3 No RO feed pumps, 6 No RO CIP pumps, 3 No product transfer pump set and remove a refit 2 hydro pneumatic vessels and reseat pressure transmitter
- **Remove and Install** 20 No Multimedia valves, 6 No Inlet & outlet Valves, 2 No cartridge filters
- **RO 1:** Fabricate and install new inlet manifold
- **RO 2:** Replace flow meter and associated leaking pipe work PVC on skid.
- RO 3: Install 15 RO vessels
- **Install 10 No chemical injection** valves and replace damage or leaking chemical dosing tube, Install 10 No seal kit for chemical dosing pumps
- **Prepare base of 3 product tanks** 8m dia for painting bottom rim edge for painting and paint with Tyco Bond paint effective area only
- **Prepare and repaint PVC pipe** round Multimedia filter frontal piping and associate PVC piping round cartridge filters and filter feed pump for UV protection.
- **Remove and install** new pipe GRP trench covers 22m x 0.65m
- **Repair damage area and retile** damage area to Plant room. Prepare edge strip 22 m for GRP flong

