

Gabal Al Galalah Seawater Desalination Plant

Client: Metito Orascom JV
Location: Gabal Al Galalah, Egypt

Services Provided:

Pre-Tender Services
Detailed Design (EPC)

Disciplines

Architecture
Civil
HVAC
Infrastructure
Instrumentation and Control
MEP
Landscaping
Piping
Process
Roads
Structures

Description

Reverse Osmosis Sea Water Desalination Plant:

Capacity: 150,000 m³/day.

Components:

- Open intake: 375,000 m³/day
- Multimedia filters
- RO building
- Limestone contactor building
- Product water tanks
- Product water pumping station
- Chemical dosing station
- Chemicals store
- Workshop and storage building
- Powerhouse
- Generator building
- Fuel bulk storage tank
- Administration building
- Engineers accommodation building
- Staff accommodation building
- Guardrooms
- Guard towers
- Fence

One of the largest Seawater Reverse Osmosis (SWRO) desalination plants in Egypt.

Mega-scale desalination of seawater.

Raw water intake system on the Gulf of Suez shore in Gabal Al Galalah area south of Al Ain Al Sokhna.

Ultimate Client: Egyptian Ministry of Defence.



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