

Obour City Water Network and Pump Stations

Client

National Authority for Potable Water and Sanitary Drainage (NAPWSD)

Scope of Work

Hydraulic Studies
Detailed design
Tender documents

The National Authority for Potable Water and Sanitary Drainage (NAPWSD) awarded ECG the contract to conduct a hydraulic study and provide design services for the development and upgrading of the water network of Obour City. The project's main objective was to meet the demands of both current areas and future expansions until the target year (on a 10 year basis).

The project's key components include the following:

Location

Obour, Cairo

Types of Activities

Civil works

Transmission pipelines: ductile iron pipes with diameter 1200/1400 mm, 60 km length, using Micro Tunneling Technology including pipe inside pipe DI/RC, 1200/4000 mm with lengths of 75 ,100 m & 50 m.

Control system: using fiber optics cables network (SCADA) and flow control system.

Pump stations: 3 pump stations, each with a capacity of 6000 l/sec, and head pressures of 140 m, 94 m & 60 m.

