

CASE STUDY



Water/ Infrastructure Projects EL SHEIKH ZAID WATER TREATMENT PLANT

Country
Egypt

Dates
2013 till 2016

Overall Project Value
43.014.493 USD

Owner
CAPW

ENOIA's Consulting Value
215.072 USD



Sheikh Zayed City is located in the Giza Governorate and part of Greater Cairo Urban Area. It was established in 1995 and named after Zayed bin Sultan Al Nahyan.

ENOIA was awarded by Arab Contractors Company the survey, design and works supervision for the implementation of the expansion works of the main water treatment plant in El-Sheikh Zaid city.

The main objective of the project is to expand El Sheikh Zaid Water Treatment Plant to increase its productivity from 450,000 m³/day to 580,000 m³/day. The project also includes a 1,000 mm transmission pipeline (total length 13,500 m) and a ground water tank with a capacity of 22,000 m³.

Scope of Services

ENOIA was appointed as the Engineering Consultant for the El Sheikh Zaid city water treatment plant project, providing the following services:

- Data collection and analysis;
- Preparation of topographic survey and soil investigation reports;
- Environmental Impact Assessment;
- Preparation of the calculation sheets for all the required civil works;
- Detailed designs for the extension of water treatment plant including all units and buildings
- Preparation of tender documentation for civil works;
- Support during the appraisal of the contractors' offers for civil works;
- Preparation of construction and procurement plans;
- Preparation of the dewatering studies wherever required;
- Approval of all construction works;
- Claims preparation whenever required;
- Support during the initial and final handing over;
- Preparation of the As-Built drawings.