

CASE STUDY



Water/ Infrastructure Projects DESIGN AND IMPLEMENTATION OF THE 10TH OF RAMADAN CITY WATER TREATMENT PLANT AND RAW WATER TRANSMISSION LINES

Country
Egypt

Dates
2010 till 2015

Overall Project Value
267.562.724 USD

Owner
CAPW

ENOIA's Consulting Value
1.496.685 USD



10th of Ramadan is a large newly developed urban community, one of the most industrialized cities in Sharqia Governorate. It enjoys close proximity to the city of Cairo, and is considered as a part of Greater Cairo metropolitan area.

The Owner, Construction Authority for Potable Water and Waste-water (CAPW) awarded Arab Contractors the design and construction of the water treatment plant (WTP) and the two transmission lines serving the 10th of Ramadan City.

The project included topographic survey, environmental impact assessment and all the necessary designs (hydraulic, mechanical, electrical, architectural and structural) for the new WTP with capacity 1,200,000 m³/day and twin 2,500 mm diameter Raw Water Transmission Lines from Ismailia water canal with a total length of 40 km.

Scope of Services

ENOIA was appointed as the prime Engineering Consultant for this project and provided the following services:

- Check and approval of the topographic survey and soil investigation reports;
- Preparation of Site Layout for the whole project (two stages);
- Environmental Impact Assessment;
- Preparation of hydraulic study;
- Preparation of the calculation sheets for hydraulic, electrical, mechanical and civil works;
- Preparation of Detail Design for electromechanical works;
- Preparation of tender documents for electromechanical works;
- Support for the appraisal of the subcontractors' offers for electromechanical works;
- Preparation of the de-watering studies wherever required;
- Preparation of Contractor's claims, when required;
- Periodic coordination meetings with the client and any other organization.
- Support during the initial and final handing over;
- Preparation of the As-Built drawings.

SITE DURING CONSTRUCTION



FINAL SITE STATUS

