

# Rosetta Sugar Refinery

## Client

Cargill Trading Egypt

## Scope of Work

Schematic design  
Design development  
Detail design  
Tender documents

## Location

Alexandria, Egypt

## Types of Activities

Architectural  
Civil works  
Communications and security systems  
HVAC  
Landscape  
Structural  
Urban Planning

Cargill-Egypt decided to build a greenfield White Sugar Refinery in the fifth Industrial Zone in Borg Al-Arab, Egypt. ECG was awarded the contract to provide engineering consultancy services of preliminary design and detailed design.

With land area of approximately 150,000m<sup>2</sup> and a built-up area of 100,000m<sup>2</sup>, the plant comprises process building, white sugar warehouse, raw sugar warehouse, re-melt area, high voltage area and fire protection building; fence and ancillary buildings including maintenance building;

administration building, mosque, canteen, guard house and weigh bridge house. The Plant has access to roads, water, natural gas and electricity networks.

The new Refinery produces Very High Polarity (VHP) white sugar from raw sugar. The plant's nameplate reads operation capacity of 2,000 tons of melted VHP sugar/day which is equal to 660,000 tons of raw sugar/year. The refinery's capacity is designed to be easily expandable to 3,000 tons/day.

