

# Cairo International Airport Terminal Building 2

## Client

Cairo Airport Company (CAC)

## Scope of Work

Master plan  
Conceptual design  
Detailed design  
Tender documents  
Tender action  
Construction management  
Construction supervision

## Location

Cairo, Egypt

## Types of Activities

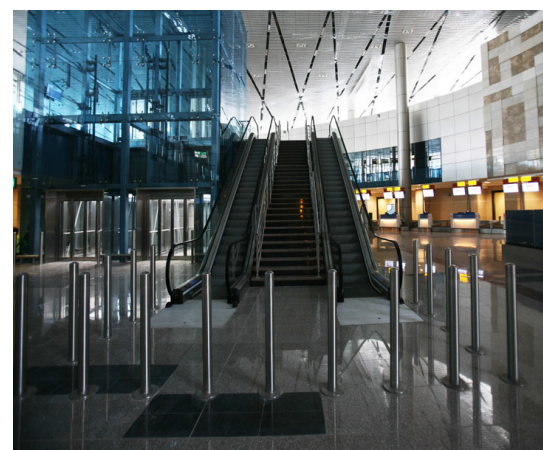
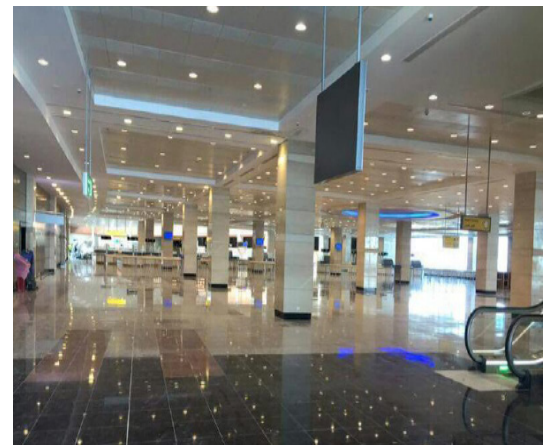
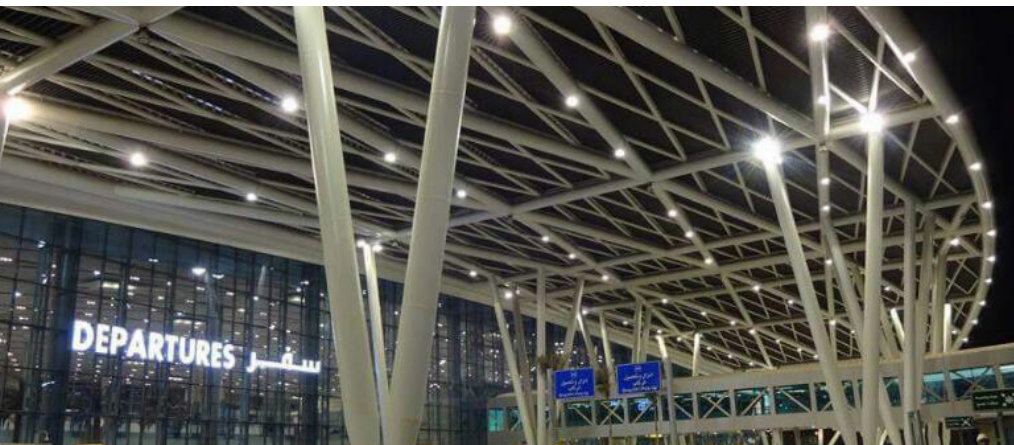
Architectural  
Airfield Lighting  
Baggage Handling System  
Passengers Boarding Bridges  
Civil (Roads/Apron/Taxiways Pavements, utilities networks, etc.)  
Communications and Security systems  
Electrical  
HVAC  
Infrastructure  
Interior design  
Mechanical  
Structural

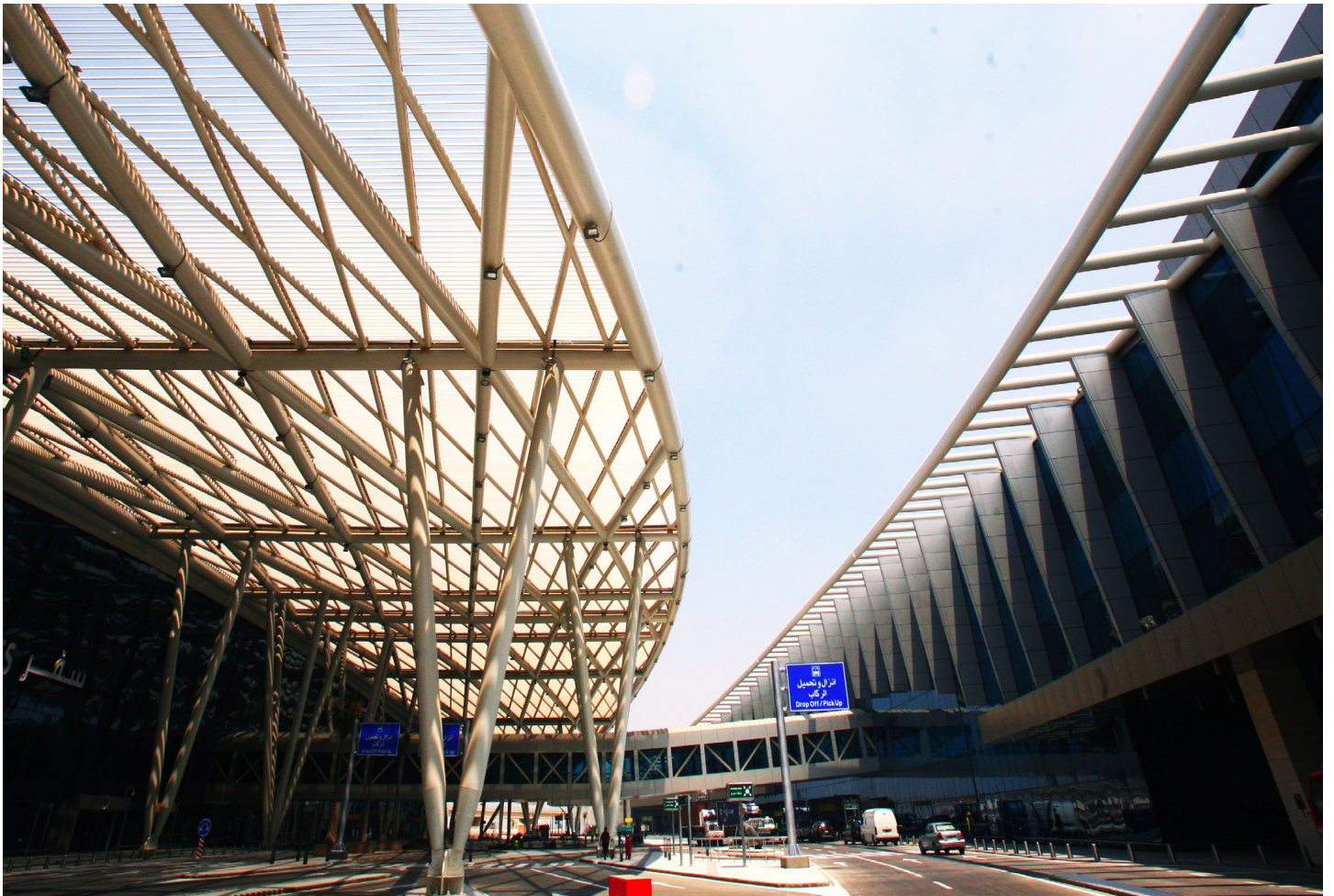
Cairo International Airport Terminal Building 2 has undergone major expansion aimed at doubling its annual passenger handling capacity to 7.5 million passengers. The USD 400 million project was financed by the World Bank.

With a built-up area of 228,000 m<sup>2</sup>, the project involved the demolition of the existing building and construction of a new larger terminal, as well as construction of new

airside and landside pavements, with a pavement area exceeding 300,000 m<sup>2</sup>.

The terminal now operates at a baggage handling capacity of 3,000 bags/hour, with early baggage storage, seven baggage reclaim carousels, 51 metal detectors, and 58 X-ray units. The terminal houses the latest airport technologies and systems.





The construction of new facilities includes the following:

- Airside external work: earthwork, asphalt and concrete hard stands, civil works for potable water and sewerage networks, firefighting networks, storm drainage networks, fuel networks, as well as electromechanical works for airfield lighting, apron flood lighting, in addition to different utilities' networks.

- Building (A): 5 floors with a built-up area of approximately 79,000 m<sup>2</sup>.

- Building (B): 5 floors with a built-up area of approximately 102,000 m<sup>2</sup>.

- Building (C): 5 floors with a built-up area of approximately 47,000 m<sup>2</sup>; and comprising 14 contact air gates, 28 passenger boarding bridges and 40 - room airside hotel.

- Landside external works: external utilities such as potable water, sewerage, firefighting, storm drainage and irrigation networks. External works also include asphalt roads and car parking with a total area of approximately 16,000 m<sup>2</sup>.

- Reconstruction of the existing power plant building: power supply including connection with existing Terminal

Building 2 power and distribution network through transformers and substations. Terminal Building 2 shall be provided with 3-phase 11 kV, 50 Hz power supply from the existing terminal power plant.