

Capital and Sphinx International Airports

Client

Dept. of Military Engineers
Engineering Authority
Egyptian Ministry of Defense & Military Production

Scope of Work

Schematic design
Detailed design
Construction supervision

Location

Cairo, Egypt

Types of Activities

Architectural
Communications & security systems
Electrical
HVAC
Landscaping
Mechanical
Structural

The project involves the development of the original plans drafted for the two identical terminal buildings of Capital and Sphinx International airports; each terminal building comprises a ground floor (BUA 3,500 m²) and a mezzanine (BUA 750 m²).

Overall, works in each airport cover the construction of the following 30 buildings and facilities of various footprints, along with associated infrastructure and landscaping works:

- Terminal building (3,500 m²)
- Airport maintenance building (340 m²)
- Airport waste building (107 m²)
- Fire-fighting building (1,280 m²)
- Air traffic control tower (853 m²)
- Airfield lighting system building (240 m²)
- 2 Airfield lighting buildings (460 m²)
- 2 Substations (235 m²)
- Power station (220 m²)
- Administrative building (720 m²)
- Accommodation building (120 m²)
- Guardhouse (17 m²)
- Airside guardhouse (67 m²)
- Water tank (525 m²)
- Water treatment plant (2,314 m²)
- Warehouse/office building (120 m²)
- Chiller yard (350 m²)
- Meteorology building (110 m²)
- Equipment area (1,190 m²)
- Security building (40 m²)
- Weapons and ammunition depot (100 m²)
- Permissions building (106 m²)
- Meteorological hangar (7,316 m²)
- Housing facility (160 m²)
- Trained dogs facility (300 m²)
- Bathrooms building (54 m²)
- Mosque (670 m²)
- Parking area (375 m²)

