

# Bardawil International Airport

## Client

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

## Scope of Work

Design review  
Schematic design  
Detailed design  
Construction supervision

## Location

Sinai, Egypt

## Types of Activities

Architectural  
Communications & security systems  
Electrical  
HVAC  
Infrastructure  
Landscape  
Mechanical  
Structural

The project involves the development of the original plans drafted for the terminal building of Bardawil International Airport; the terminal building comprises a basement, mezzanine, and ground floor with a total built-up area of 8,000 m<sup>2</sup>.

Overall works in the airport cover the construction of 27 buildings and facilities of various built-up areas, along with associated infrastructure and landscaping works:

- Terminal building (bua 8,000 m<sup>2</sup>)
- Administration building (bua 720 m<sup>2</sup>)
- Air traffic control tower (bua 1,500 m<sup>2</sup>)
- Airport maintenance building (bua 340 m<sup>2</sup>)
- Airport waste building (bua 107 m<sup>2</sup>)
- Electric substation building 1 (bua 115 m<sup>2</sup>)
- Electric substation building 2 (bua 480 m<sup>2</sup>)
- Primary airfield lighting building (bua 220 m<sup>2</sup>)
- Secondary airfield lighting building (bua 480 m<sup>2</sup>)
- Firefighting building (bua 833 m<sup>2</sup>)
- Power station building (bua 220 m<sup>2</sup>)
- Chiller yard (bua 350 m<sup>2</sup>)
- Chlorination room (bua 6 m<sup>2</sup>)
- Water tank (bua 525 m<sup>2</sup>)
- Meteorology building (bua 110 m<sup>2</sup>)
- Weapons storehouse (bua 114 m<sup>2</sup>)
- Warehouse/ office building (bua 120 m<sup>2</sup>)
- Security building (bua 40 m<sup>2</sup>)
- Guard house (bua 17 m<sup>2</sup>)
- Airside guard house (bua 134 m<sup>2</sup>)
- Permissions building (bua 106 m<sup>2</sup>)
- Housing facility (bua 634 m<sup>2</sup>)
- Soldiers' mess (bua 316 m<sup>2</sup>)
- Bathrooms facility (bua 55 m<sup>2</sup>)
- Employees' motel (bua 920 m<sup>2</sup>)
- Parking building (bua 375 m<sup>2</sup>)
- Mosque (bua 780 m<sup>2</sup>)

